

MICHIGAN

PARTS MANUAL

No. 1692-R1

MODEL 180

Series I

TRACTOR DOZER

Information Contained Herein Pertains to Machine

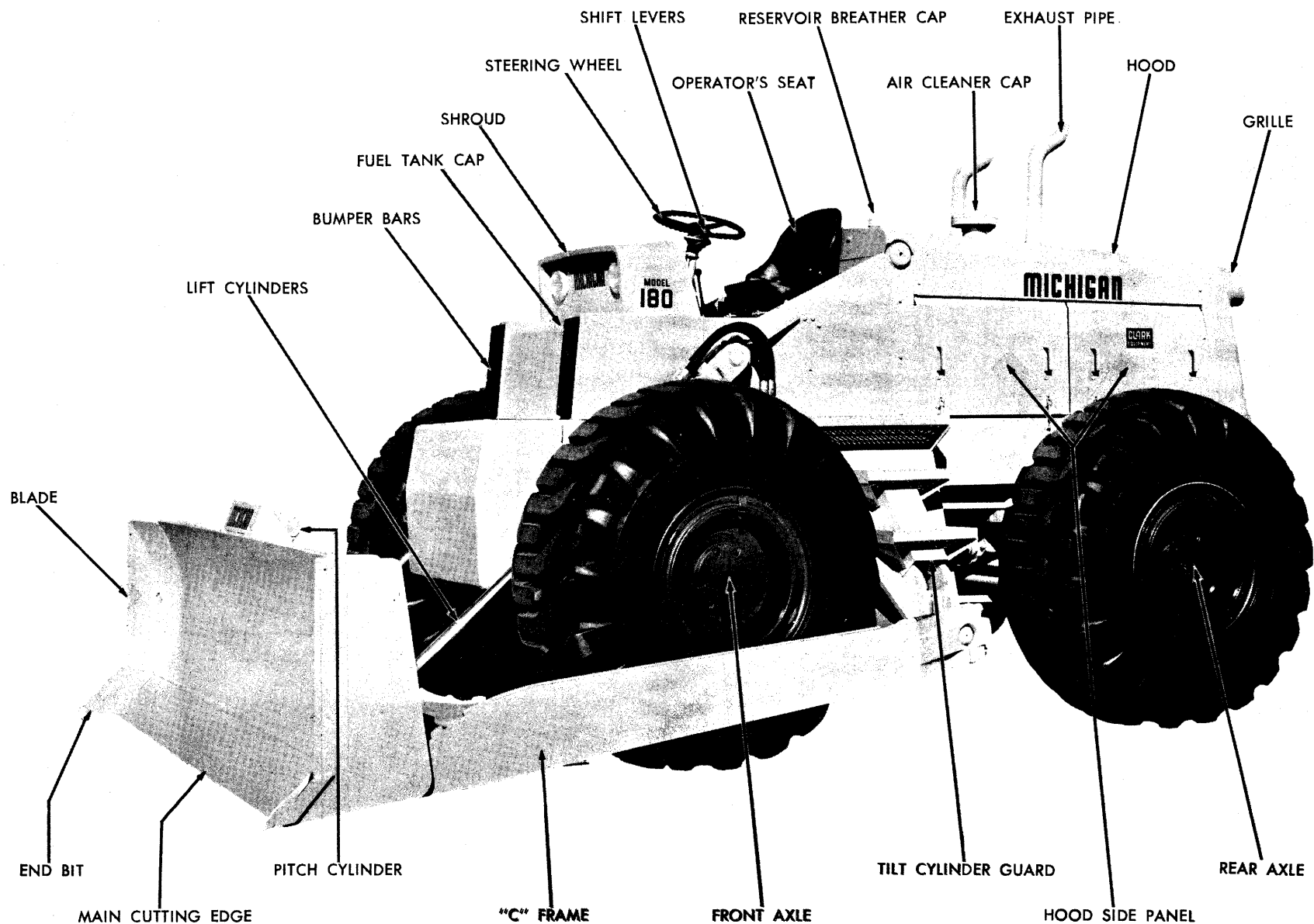
Serial Numbers Listed Below:

180 Cummins — 2892 thru 2942, 2LC52 thru 2LC999

180 G.M. — 2LG101 thru 2LG999 *R/1684*

Record Your Machine
Serial Number Here

CLARK EQUIPMENT COMPANY



MODEL 180 TRACTOR DOZER SERIES I

TS-3854-P

WHEN ORDERING REPAIR PARTS

To assure the best results and to maintain the original quality built into the machine it is important that genuine "Clark" Parts be used when new parts are required.

IMPORTANT: Always furnish the distributor with the machine serial number when ordering parts.

Order through your nearest Clark Distributor, for THE MICHIGAN LINE.

Always give serial number of machine.

Furnish: Quantity, Part Number and Description.

WHEN PARTS ARE RECEIVED

Check immediately for quantity, correctness and condition.

Advise your Michigan Distributor of any error.

Claims for damages, during shipment, should be made to the carrier immediately.

INDEX MODEL 180 Series I

A	Page		Page
Accelerator Pedal and Linkage	21, 23	Brake Slack Adjuster	57
Air Brake Lines	72, 73	Breather Cap, Reservoir	71
Air Brake Pedal	56	Brush Guard	7, 9
Air Chamber, Front	57	Bucket Seat Assembly	102, 103
Air Chamber, Rear	68	By-Pass Oil Filter — Cummins Engine	12
Air Cleaner and Tailpipe — Cummins	16, 17		
Air Cleaner and Muffler — G.M.	18	C	
Air Cleaner Assembly	19, 20	"C" Frame and Blade Assembly	3
Air Compressor and Connections	10, 11	"C" Frame Pipes	3
Air Gauge	100, 101	Cab Assembly	114
Air Pressure Gauge	100, 101	Cables, Battery and Wiring	105
Air Pressure Sender Unit	72, 73	Cap, Air Cleaner	16, 17, 18
Air Reservoir	72, 73	Cap, Breather	71
Ammeter	100, 101	Cap, Fuel Tank	7, 9
Axle Assembly, Front Drive	49	Cap, Radiator	14, 15
Axle Assembly, Rear Drive Steer	59, 61	Cap, Reservoir	71
Axle Tie Rod Assembly	66	Cartridge Kit, By-Pass Oil Filter — Cummins	12
Axle Tie Rod End	66	Cartridge Kit, Transmission and Converter Oil Filter	45, 47
		Case, Transmission	29
B		Chamber, Front Air	57
Back-up Lamp	107	Chamber, Rear Air	68
Battery and Battery Box	106	Cleaner, Air	16, 19, 20
Battery Cables	105	Clip Diagram	109, 111
Blade Assembly	3	Compressor, Air	10, 11
Blade Cutting Edge	3	Controls, Brake	56
Blade Pitch Cylinder Assembly	95	Control Cover Assembly, Transmission	33
Body Panels	7, 9	Control Levers and Linkage, Transmission	35
Brake Air Chamber, Front	57	Control Levers and Linkage, Valve	97
Brake Air Chamber, Rear	68	Controls, Parking Brake	54, 55
Brake Air Lines	72, 73	Control Valve Assembly	99
Brake Assembly, Front	57	Converter Assembly	39
Brake Assembly, Parking	53	Converter Charging Pump	40, 41, 42
Brake Assembly, Rear	68, 69, 70	Converter and Transmission Hydraulic System	45, 47
Brake Controls and Floorboards	56	Converter and Transmission Oil Filter	45, 47
Brake Controls Parking	54, 55	Converter Pressure Regulator Valve Assembly	43
Brake Pedal	56	Converter Temperature Gauge	100, 101

	Page
Converter Temperature Sender Unit	45, 47
Counterweight	7, 9
Cover Assembly, Transmission Control	33
Cradle Assembly	5
Cutting Edges	3
Cylinder Assembly, Lift	94
Cylinder Assembly, Pitch	95
Cylinder Assembly, Tilt	96
Cylinder Assembly, Steering	80

D

Dash Lamp	100, 101
Decals	107
Differential and Carrier Assembly — Front Drive	51
Differential and Carrier Assembly — Rear Drive Steer	63, 65
Differential No-Spin Unit	52
Drag Links, Steering	81
Drawbar	7, 9
Drive Axle, Front	49
Drive Axle, Rear Steer	59, 61

E

Engine Accessories	1, 2
Engine and Accessories	1, 2
Engine By-Pass Oil Filter — Cummins	12
Engine Fan and Mounting Parts	1, 2
Engine Lube Filter — G.M.	13
Engine Oil Pressure Gauge	100, 101
Engine Oil Pressure Sender Unit	1, 2
Engine Starter	2
Engine Support Parts	1, 5
Engine Temperature Gauge	100, 101
Engine Temperature Sender Unit	1, 2

F

Fan, Engine	1
Fan, Generator	2
Filter, Engine By-Pass Oil — Cummins	12
Filter, Engine Lube — G.M.	13
Filter, Transmission and Converter Oil	45, 47
Floorboards	56
Frame, Cradle, Tilt Cylinder Guards and Engine Supports	5
Front Air Chamber	57
Front Brake Assembly	57
Front Drive Axle Assembly	49
Front Drive Differential and Carrier Assembly	51
Front Shroud	7, 9
Fuel Gauge	100, 101
Fuel Tank Sender Unit	26
Fuel Lines	24, 25
Fuel Tank	26
Fuel Tank Cap	7, 9, 26

	Page
Fuel Tank Sender Unit	26
Fuse	100, 101

G

Gauges, Instrument Panel	100, 101
Gear Shift Levers and Linkage	36
Generator and Mounting Parts	2
Governor, Air Compressor	10, 11
Grille, Counterweight, Drawbar and Body Panels	7, 9
Guard, Brush	7, 9
Guards, Tilt Cylinder	5

H

Harness, Wiring	105
Head Lamp	107
Hood	7, 9
Horn and Mounting Parts	107
Hydraulic Oil Reservoir	71
Hydraulic Pump — Converter Charging	40, 41, 42
Hydraulic Pump — Lift, Pitch and Tilt	90, 91
Hydraulic Pump — Steering	78, 79
Hydraulic System — Lift, Pitch and Tilt	93
Hydraulic System — Steering	83, 85, 87
Hydraulic System — Transmission and Torque Converter	45, 47

I

Ignition Switch	100, 101
Instrument Panel Assembly	100, 101

L

Lift Cylinder Assembly	94
Lift, Pitch and Tilt Hydraulic Pump	90, 91
Lift, Pitch and Tilt Hydraulic System	93
Lights and Mounting Parts	107
Light Switch	100, 101
Lube Filter, Engine — G.M.	13

N

No-Spin Differential Unit	52
---------------------------------	----

O

Oil Filter, Engine By-Pass — Cummins	12
Oil Filter, Transmission and Converter	45, 47
Oil Pan, Transmission	31
Oil Pressure Gauge	100, 101
Oil Pressure Sender Unit	1, 2
Oil Pump Assembly, Converter Charging	40, 41, 42
Oil Pump Assembly, Lift, Pitch and Tilt	90, 91
Oil Pump Assembly, Steering	78, 79
Oil Reservoir, Hydraulic	71

P

Pan, Transmission Oil	31
Panel, Hood and Side Body	7, 9
Panel, Instrument	100, 101
Panel, Radiator	14, 15

	Page
Parking Brake Assembly	53
Parking Brake Controls	54, 55
Pedal, Accelerator	21, 23
Pedal, Air Brake	56
Pipe, "C" Frame	3
Pipe, Tail	16, 17, 18
Planet Spider Assembly	67
Pressure Regulator Valve Assembly	43
Pressure Relief Valve	88, 89
Propeller Shaft Assembly	37
Pump, Converter Charging	40, 41, 42
Pump, Lift, Pitch and Tilt	90, 91
Pump, Steering	78, 79

R

Radiator and Connections	14, 15
Radiator Cap	14, 15
Rear Air Chamber	68
Rear Brake Assembly	68, 69, 70
Rear Drive Steer Axle Assembly	59, 61
Rear Drive Steer Differential and Carrier Assembly	63, 65
Regulator, Pressure Valve — Converter	43
Regulator, Voltage	1, 2
Relief Valve, Pressure	88, 89
Reservoir, Air	72, 73
Reservoir, Hydraulic Oil	71

S

Seat Assembly, Bucket	102, 103
Sender Unit, Air Pressure	72, 73
Sender Unit, Converter Temperature	45, 47
Sender Unit, Engine Oil Pressure	1, 2
Sender Unit, Engine Temperature	1, 2
Sender Unit, Fuel Tank	26
Shift Lever and Linkage	36
Shift Lever and Linkage, Control Valve	97
Shroud, Front	7, 9
Slack Adjuster, Front Brake	57
Slack Adjuster, Rear Brake	68
Starter and Mounting Parts	2
Steering Cylinder Assembly	80
Steering Drag Links	81
Steering Gear Assembly	77
Steering Hydraulic Pump	78, 79

	Page
Steering Hydraulic System	83, 85, 87
Steering Linkage Group	74, 75
Steering Wheel	77
Swinging Drawbar	7, 9
Switch, Ignition	100, 101
Switch, Light	100, 101

T

Tail Lamp	107
Tailpipe	16, 17, 18
Tank, Fuel	26
Temperature Sender Unit, Engine	1, 2
Temperature Sender Unit, Torque Converter	45, 47
Tie Rod Assembly	66
Tie Rod End Assembly	66
Tilt Cylinder Assembly — "C" Frame	96
Tilt Cylinder Guards	5
Tire and Wheel Data	104
Tools	107
Torque Converter Assembly	39
Torque Converter Charging Pump	40, 41, 42
Torque Converter Pressure Regulator Valve	43
Torque Converter Temperature Gauge	100, 101
Torque Converter Temperature Sender Unit	45, 47
Transmission and Converter Hydraulic System	45, 47
Transmission and Converter Oil Filter	45, 47
Transmission Assembly	29, 30, 31
Transmission Control Cover Assembly	33
Transmission Control Levers and Linkage	35
Transmission Mounting Parts	31
Transmission Oil Pan	31

V

Valve, Air Brake	56
Valve Assembly, Control	99
Valve Assembly, Pressure Regulator	43
Valve Control Levers and Linkage	97
Voltage Regulator and Mounting Parts	1, 2

W

Wheel and Tire Data	104
Wheel, Steering	77
Wiring and Battery Cables	105
Wiring Diagram	112, 113

NOTES



ENGINE AND ACCESSORIES — CUMMINS POWERED

All orders for engine assembly or components thereof should be placed with the nearest Cummins Engine Distributor. Always give model, specifications and serial number of the engine. This data will be found on nameplate attached to the side of the engine.

ENGINE SUPPORT PARTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include BOLT, Engine Transmission to Frame and NUT, Engine Trunnion to Frame.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include 2B 18D-10 For Serial: 2LC63 thru 2LC999 and SPACER, Engine Support.

ENGINE ACCESSORIES

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include SENDER UNIT, Engine Temperature and SWITCH, Pressure.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include 7 18F-1 TEE, Pressure Switch and 8 5K-106 NIPPLE, Pressure Switch.

ENGINE FAN AND MOUNTING PARTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include FAN, Engine and SPACER, Fan.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include BOLT, Fan to Engine and LKWSHR, Fan to Engine.

VOLTAGE REGULATOR AND MOUNTING PARTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include REGULATOR, Voltage and LKWSHR, Regulator to Bracket.

Table with 4 columns: Item No., Part No., Description, No. Req'd. Rows include BRACKET, Voltage Regulator and LKWSHR, Bracket to Frame.

*NOTE: For replacement refer to Service Gram S.G.-326B.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



GENERATOR AND MOUNTING PARTS

Table with 2 columns of parts: Item No., Part No., Description, No. Req'd. Items include GENERATOR, ARMATURE, BRUSH, KEY, NUT, LKWSHR, and FAN.

STARTER AND MOUNTING PARTS

Table with 2 columns of parts: Item No., Part No., Description, No. Req'd. Items include STARTER, ARMATURE, HOUSING, BRUSH, BOLT, and LKWSHR.

*NOTE: For replacement of 522648 Starter use 1-946052 Starter (D.R. 1113905). The servicoilds components of 946052 are 1-946438 Armature, 1-946439 Housing & 1-946440 Brush Set.

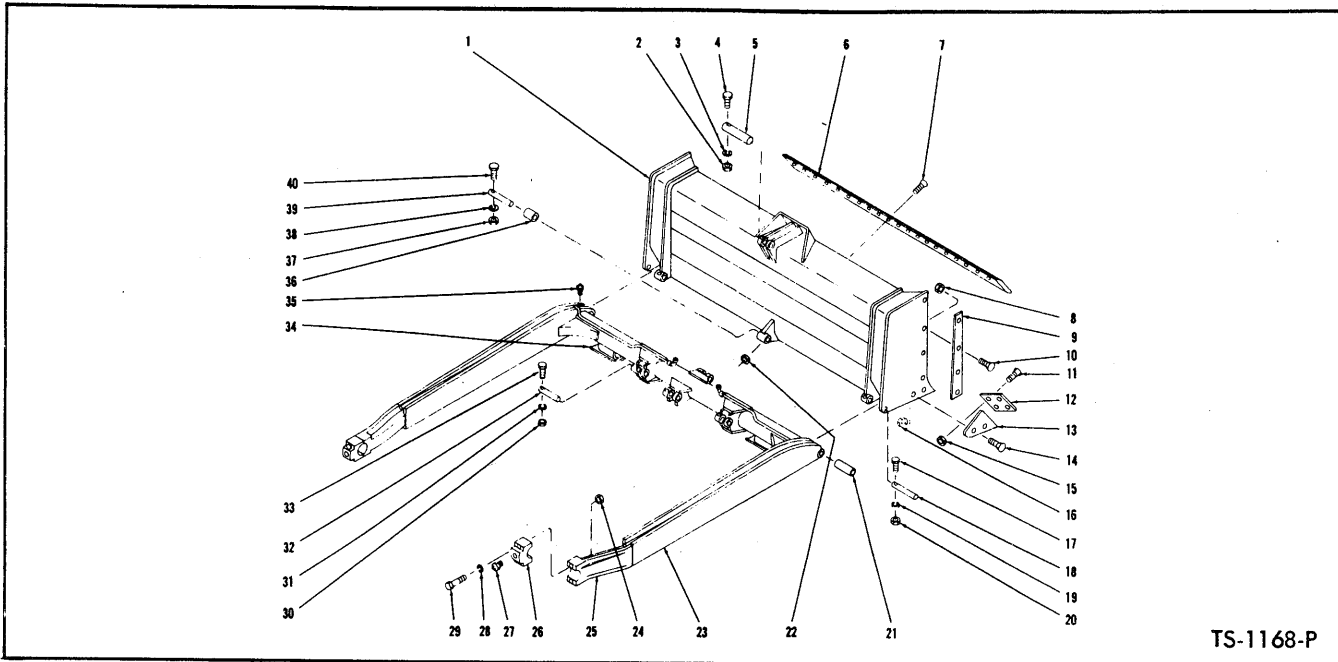
ENGINE AND ACCESSORIES - G.M. POWERED

All orders for engine assembly or components thereof should be placed with the nearest G.M. Diesel distributor or dealer. To obtain the proper items, it is necessary to provide your engine model, serial number and accessory group type number for the equipment required. This data is stamped on the options and accessories plate on the rocker cover of your engine.

ENGINE ACCESSORIES

Table with 2 columns of parts: Item No., Part No., Description, No. Req'd. Items include STARTER, GENERATOR, BELT, FAN, BOLT, LKWSHR, SENDER UNIT, SWITCH, ELBOW, VOLTAGE REGULATOR, BRACKET, ADAPTER BUSHING.

*These parts furnished with engine. See your local G.M. Distributor for service or replacement.
**NOTE: For replacement of 542086 Regulator use 945439 Regulator plus 1-619049 Shock Mount.
NOTE "A": For replacement refer to Service Gram S.G.-326B.



TS-1168-P

"C" FRAME AND BLADE ASSEMBLY
For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC184
G.M. — 2LG101 thru 2LG181

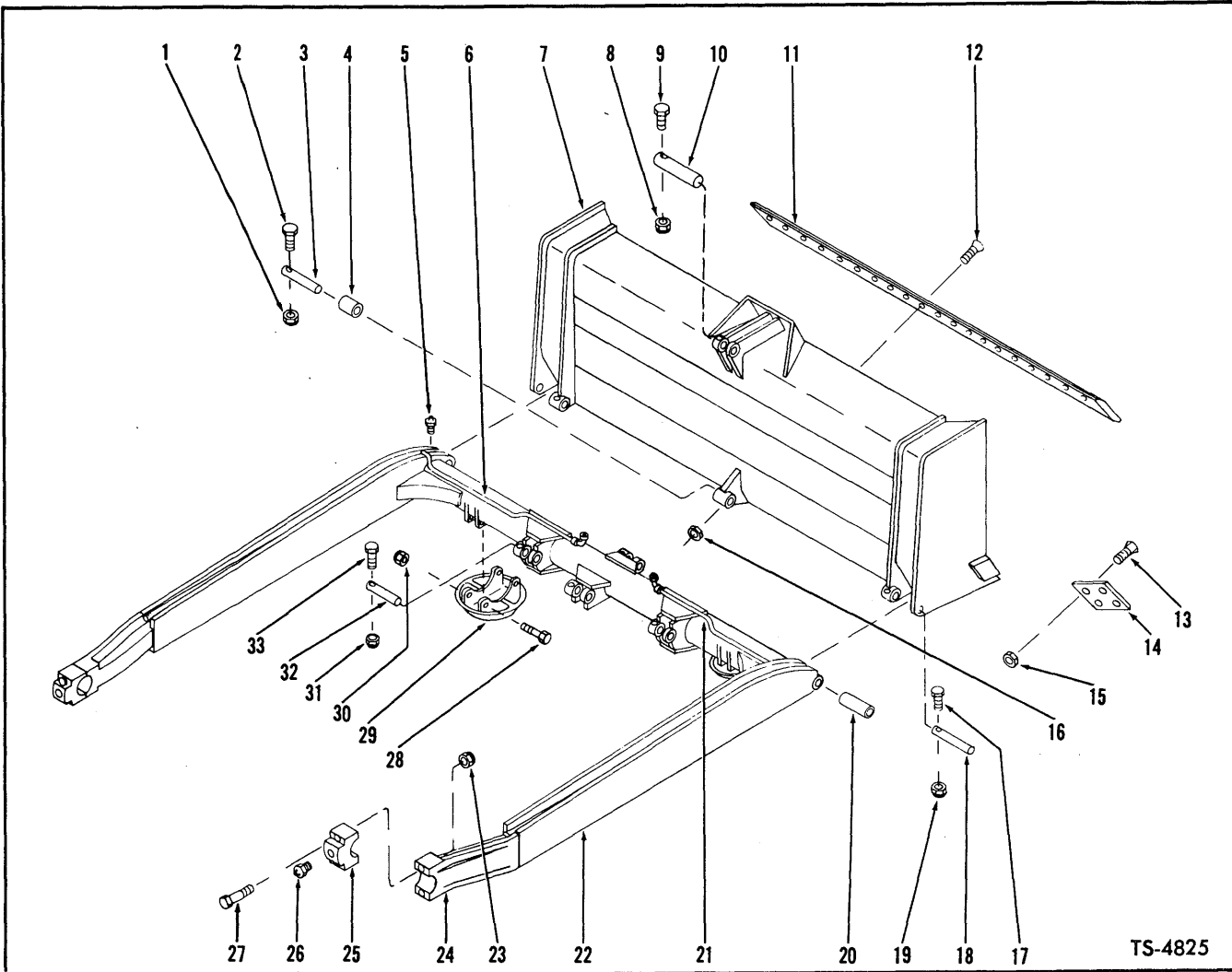
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	521605	**BLADE ASSY	1	17	18C-868	BOLT, Blade to "C" Frame Pin	2
2	2D-08	NUT, Pitch Cylinder to Blade Pin	1	18	520520	PIN, Blade to "C" Frame	2
3	4E-08	LKWSHR, Pitch Cylinder to Blade Pin	1	19	-----	OMIT when replacing item 20	—
4	2C-876	BOLT, Pitch Cylinder to Blade Pin	1	20	18D-08	NUT, Blade to "C" Frame Pin Bolt	2
5	580123	PIN, Pitch Cylinder to Block	1	21	520530	BUSHING, "C" Frame	2
6	535927	CUTTING EDGE, Main	1	22	1D-14	NUT, Main Cutting Edge	18
7	580104	BOLT ASSY, Main Cutting Edge (Inc. 22)	18	23	520556 ***	"C" FRAME ASSY (Inc. 23A, 23B, 24 thru 29, 34)	1
8	1D-12	NUT, Side Cutting Edge — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	8	23A	520531	†PIPE, R.H. "C" Frame	1
9	-----	CUTTING EDGE, Side	—	23B	520533	†PIPE, L.H. "C" Frame	1
9A	521356	R.H. — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	—	24	2D-18	NUT, Bearing Cap Bolt	4
9B	521357	†L.H. — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	1	25	532034	BRACKET, Trunnion Bearing	2
10	580201	BOLT ASSY, Side Cutting Edge (Inc. 8) — For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	8	26	532035	CAP, Trunnion Bearing	2
11	580104	BOLT ASSY, End Bit (Inc. 15)	8	27	10H-25	FITTING, Bearing Cap Grease	2
12	-----	END BIT	—	28	4E-18	LKWSHR, Bearing Cap	4
12A	526050	*RIGHT HAND	1	29	14C-18128	BOLT, Bearing Cap	4
12B	526051	*LEFT HAND	1	30	2D-08	NUT, Lift & Pitch Cylinder to "C" Frame Pin	3
13	529980	*STRIP, End Bit Support	2	31	4E-08	LKWSHR, Lift & Pitch Cylinder to "C" Frame Pin	3
14	580201	BOLT ASSY, End Bit Support Plate (Inc. 16) For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	4	32	580123	PIN, Lift & Pitch Cylinder to "C" Frame	3
15	1D-14	NUT, End Bit	8	33	2C-876	BOLT, Lift & Pitch Cylinder to "C" Frame Pin	3
16	1D-12	NUT, End Bit Support Plate—For Serial 2892 thru 2942, 2LC52 thru 2LC122 only	4	34	512288	SHOE, "C" Frame (See Note "A")	2
				35	10H-35	FITTING, "C" Frame Grease	2
				36	525805	BUSHING, Center Pivot Blade	1
				37	18D-08	NUT, Pivot Blade Pin	1
				38	-----	OMIT when replacing item 37	—
				39	524900	PIN, Blade Center Pivot	1
				40	18C-868	BOLT, Blade Center Pivot Pin	1

†Not Illustrated

**NOTE: For replacement of 521605 Blade use 1-560339 Blade plus 1-560364 Main Cutting Edge, 1-533120 R.H. Cutting Edge, 1-533119 L.H. Cutting Edge, 32-580104 Bolt Assy. & 2-566491 Blade to "C" Frame Pins.

***NOTE: For replacement of 520556 "C" Frame use 541759 "C" Frame plus 2-595018 Skid Shoes, 4-24C-12176 Bolts, & 4-18D-12 Nuts.

NOTE "A": For replacement of 512288 Skid Shoe use 595018 Skid Shoe plus 2-538262 Hangers, 4-24C-12176 Bolts, 4-66D-12 Nuts & 1-Form 1798 Installation Drawing.



TS-4825

"C" FRAME AND BLADE ASSEMBLY
For Serial: Cummins — 2LC185 thru 2LC999
G.M. — 2LG182 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Pivot Blade Pin	1	17	18C-868	BOLT, Blade to "C" Frame Pin.....	2
2	18C-868	BOLT, Pivot Blade Pin	1	18	520520	PIN, Blade to "C" Frame.....	2
3	524900	PIN, Blade Center Pivot	1	19	18D-08	NUT, Blade to "C" Frame Pin.....	2
4	525805	BUSHING, Center Pivot Blade	1	20	520530	BUSHING, "C" Frame	2
5	10H-35	FITTING, "C" Frame Grease	2	21	520531	PIPE, R.H. "C" Frame	1
6	520533	PIPE, L.H. "C" Frame	1	22	541759	"C" FRAME ASSY (Inc. 6, 20, 21, 23 thru 27)	1
7	521605	* BLADE ASSY (Inc. 4)	1	23	18D-18	NUT, Bearing Cap	4
8	18D-08	NUT, Pitch Cylinder to Blade Pin.....	1	24	532034	BRACKET, Trunnion Bearing	2
9	18C-876	BOLT, Pitch Cylinder to Blade Pin.....	1	25	532035	CAP, Trunnion Bearing	2
10	580123	PIN, Pitch Cylinder to Block.....	1	26	10H-25	FITTING, Bearing Cap Grease	2
11	535927	CUTTING EDGE	1	27	24C-18128	BOLT, Bearing Cap	4
12	580104	BOLT ASSY, Cutting Edge (Inc. 16)....	18	28	24C-12176	BOLT, Skid Shoe to "C" Frame.....	4
13	580104	BOLT ASSY, End Bit (Inc. 15).....	8	29	595018	SHOE, "C" Frame Skid	2
14		END BIT		30	66D-12	NUT, Skid Shoe to "C" Frame.....	4
14A	526050	RIGHT HAND	1	31	18D-08	NUT, Lift & Pitch Cyl. to "C" Frame Pin	3
14B	526051	†LEFT HAND	1	32	580123	PIN, Lift & Pitch Cyl. to "C" Frame....	3
15	1D-14	NUT, End Bit	18	33	18C-876	BOLT, Lift & Pitch Cyl. to "C" Frame Pin	3
16	1D-14	NUT, Cutting Edge	8				

†Not Illustrated

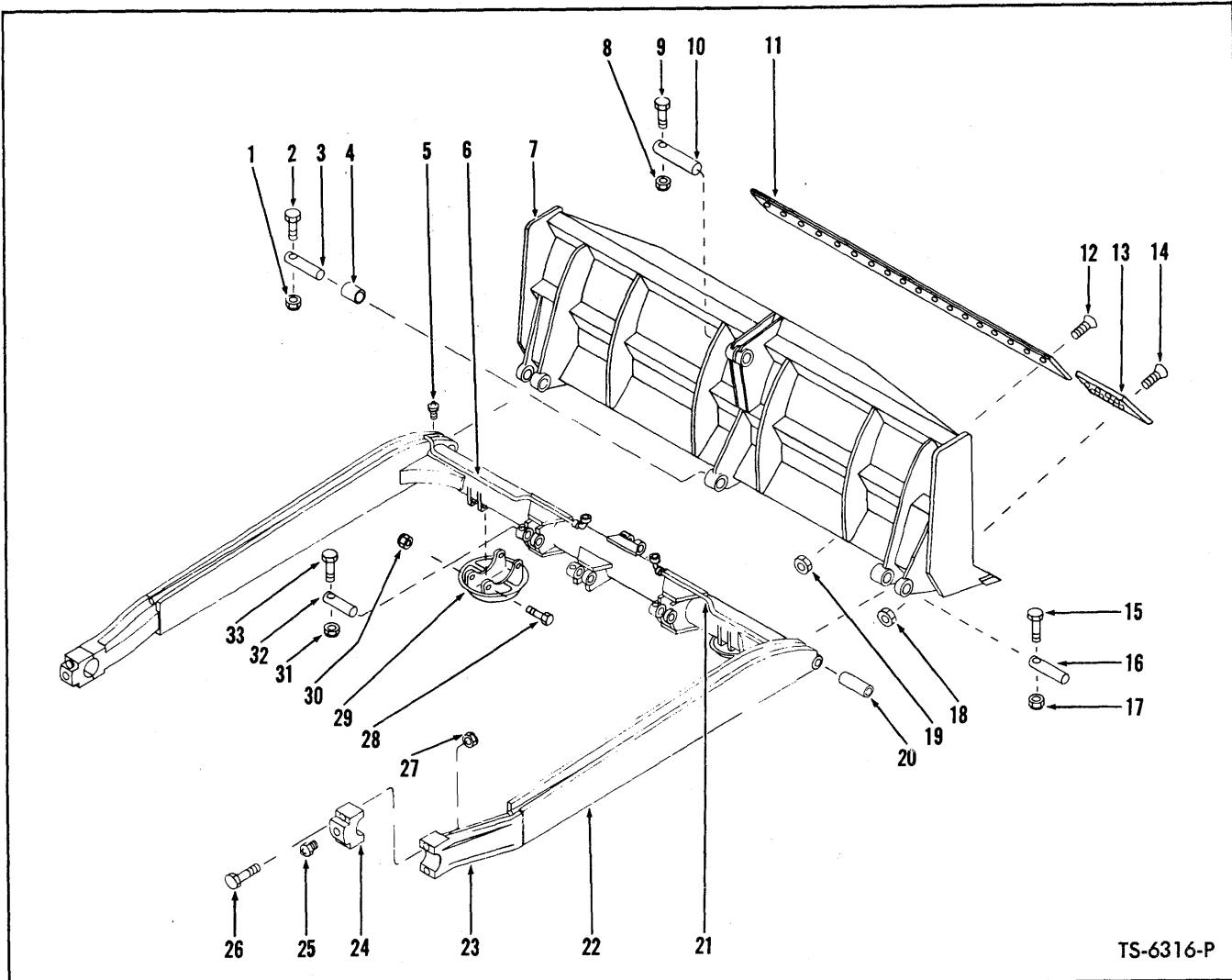
*NOTE: For replacement of 521605 use 560339 plus 1-560364 Main Cutting Edge, 1-533120 R.H. Cutting Edge, 1-533119 L.H. Cutting Edge, 32-580104 Bolt Assy & 2-566491 Pins.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

(

(

(



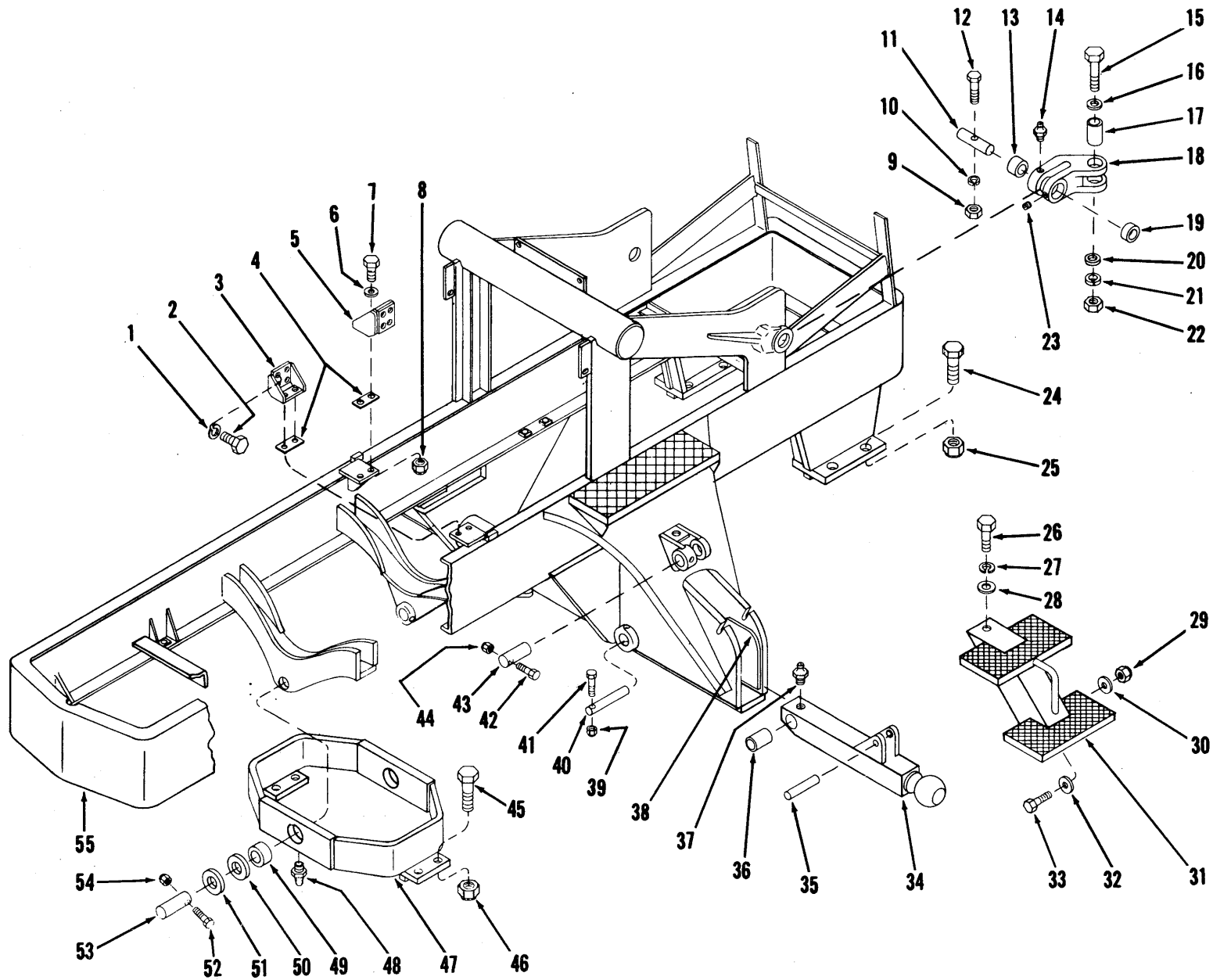
TS-6316-P

**"C" FRAME AND BLADE ASSEMBLY
(SERVICE ONLY)**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	18D-08	NUT, Pivot Pin Retaining	1	15	18C-868	BOLT, Blade Pin Retaining	2
2	18C-868	BOLT, Pivot Pin Retaining	1	16	566491	PIN, Blade to "C" Frame	2
3	524900	PIN, Blade Center Pivot	1	17	18D-08	NUT, Blade Pin Retaining	2
4	525805	BUSHING, Blade Center Pivot	1	18	1D-14	NUT, Cutting Edge	16
5	10H-35	FITTING, "C" Frame Grease	2	19	1D-14	NUT, Cutting Edge	16
6	520533	PIPE, L.H. "C" Frame	1	20	520530	BUSHING, "C" Frame	2
7	560339	BLADE ASSY (Inc. 4)	1	21	520531	PIPE, R.H. "C" Frame	1
8	18D-08	NUT, Cylinder Pin Retaining	2	22	541759	"C" FRAME ASSY (Inc. 6, 20, 21, 23, 24, 26, 27)	1
9	18C-876	BOLT, Cylinder Pin Retaining	2	23	532034	BRACKET, Trunnion Bearing	2
10	580123	PIN, Pitch Cylinder to Blade & "C" Frame	2	24	532035	CAP, Trunnion Bearing	2
11	560364	CUTTING EDGE, Main	1	25	10H-25	FITTING, Bearing Cap Grease	2
12	580104	BOLT ASSY, Cutting Edge (Inc. 19)	16	26	24C-18128	BOLT, Bearing Cap Attaching	4
13		CUTTING EDGE, Side		27	18D-18	NUT, Bearing Cap Attaching	4
13A	533120	RIGHT HAND	1	28	24C-12176	BOLT, Skid Shoe to "C" Frame	4
13B	533119	†LEFT HAND	1	29	595018	SHOE, "C" Frame Skid	2
14	580104	BOLT ASSY, Cutting Edge (Inc. 18)	16	30	66D-12	NUT, Skid Shoe to "C" Frame	4
				31	18D-08	NUT, Pin Retaining	2
				32	580123	PIN, Lift Cylinder to "C" Frame	2
				33	18C-876	BOLT, Pin Retaining	2

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



FRAME, CRADLE, TILT CYLINDER GUARD AND ENGINE SUPPORTS

TS-3677-P

FRAME, CRADLE, TILT CYLINDER GUARDS AND ENGINE SUPPORTS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	4E-08	LKWSHR, Support to Engine	8	31B	536258	For Serial: Cummins — 2LC118 thru 2LC999, G.M. — 2LG101 thru 2LG999	2
2	17C-828	BOLT, Support to Engine	8				
3		SUPPORT, Engine R.H.		32	619021	WASHER, Step to Trunnion	4
3A	538981	For Cummins Powered Machines	1	33	18C-628	BOLT, Step to Trunnion	4
3B	540735	For G.M. Powered Machines	1	34	560747	TRUNNION ASSY—"C" Frame — R.H. (Inc. 36)	1
4	531029	PAD, Engine Support	2	34A	560747	†TRUNNION ASSY—"C" Frame — L.H. (Inc. 36)	1
5		SUPPORT, Engine L.H.		35	522312	PIN, Tilt Cylinder to Bar	2
5A	539078	*For Cummins Powered Machines	1	36	522309	BUSHING, Trunnion Bar	2
5B	540736	For G.M. Powered Machines	1	37	10H-25	FITTING, Trunnion Bar Grease	2
6	616800	WASHER, Support to Frame	2	38	538223	PLATE, Trunnion Bar to Frame Guide	4
7		BOLT, Support to Frame		39	18D-08	NUT, Trunnion Bar Pin	2
7A	18C-1052	For Cummins Powered Machines	4	40	522347	PIN, Trunnion Bar to Frame	2
7B	18C-1044	For G.M. Powered Machines	4	41	18C-868	BOLT, Trunnion Bar Pin	2
8	68D-10	NUT, Support to Frame	4	42	2C-640	BOLT, Tilt Cylinder to Frame Pin	2
8A	18C-1036	†BOLT, Engine Trunnion to Frame (For G.M. Powered Engine only)	2	43	588823	PIN, Tilt Cylinder to Frame	2
8B	18D-10	†NUT, Engine Trunnion to Frame (For G.M. Powered Engine only)	2	44	18D-06	NUT, Tilt Cylinder to Frame	2
9	2D-10	NUT, Adapter to Frame Pin	2	45		BOLT, Rear Axle to Cradle	
10	4E-10	LKWSHR, Adapter to Frame	2	45A	24C-16160	**For Serial: Cummins—2892 thru 2942, 2LC52 thru 2LC126	8
11	580122	PIN, Adapter to Frame	2	45B	24C-1680	For Serial: Cummins — 2LC127 thru 2LC999, G.M. — 2LG101 thru 2LG999	8
12	2C-10112	BOLT, Adapter to Frame Pin	2	46	68D-16	**NUT, Rear Axle to Cradle	8
13	551108	BUSHING, Adapter — Inner	2	47		CRADLE ASSY, Rear Axle (Inc. 49)	
14	10H-25	FITTING, Cylinder Adapter Grease	4	47A	525222	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC126	1
15	24C-24116	BOLT, Cylinder to Adapter	2	47B	530913	For Serial: Cummins — 2LC127 thru 2LC999, G.M. — 2LG101 thru 2LG999	1
16	616846	WASHER, Cylinder to Adapter	2	48	10H-25	FITTING, Cradle Grease	2
17	580121	TUBE, Left Cylinder Pivot	2	49	524982	BUSHING, Cradle	2
18	580118	ADAPTER, Cylinder to Frame (Inc. 13, 19)	2	50	552146	‡WASHER, Cradle to Frame — 1/6"	—
19	580120	BUSHING, Adapter — Outer	2	51	552147	‡WASHER, Cradle to Frame — 1/8"	—
20	616846	WASHER, Cylinder to Adapter	2	52	18C-860	BOLT, Cradle Pin	2
21	2E-24	LKWSHR, Cylinder to Adapter	2	53	524900	PIN, Cradle to Frame	2
22	8D-24	NUT, Cylinder to Adapter	2	54	18D-08	NUT, Cradle Pin	2
23	17G-820	SCREW, Set	2	55		FRAME ASSY	
24	24C-16160	**BOLT, Front Axle to Frame	8	55A	534860	For Cummins Powered Machines (See Note "A")	1
25	68D-16	**NUT, Front Axle to Frame	8	55B	540693	For G.M. Powered Machines	1
26	18C-616	BOLT, Step to Frame	2				
27	4E-06	LKWSHR, Step to Frame	2				
28	619021	WASHER, Step to Frame	2				
29	18D-06	NUT, Step to Trunnion	4				
30	619021	WASHER, Step to Trunnion	4				
31		STEP & CYLINDER GUARD					
31A	529680	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2				

†Not Illustrated

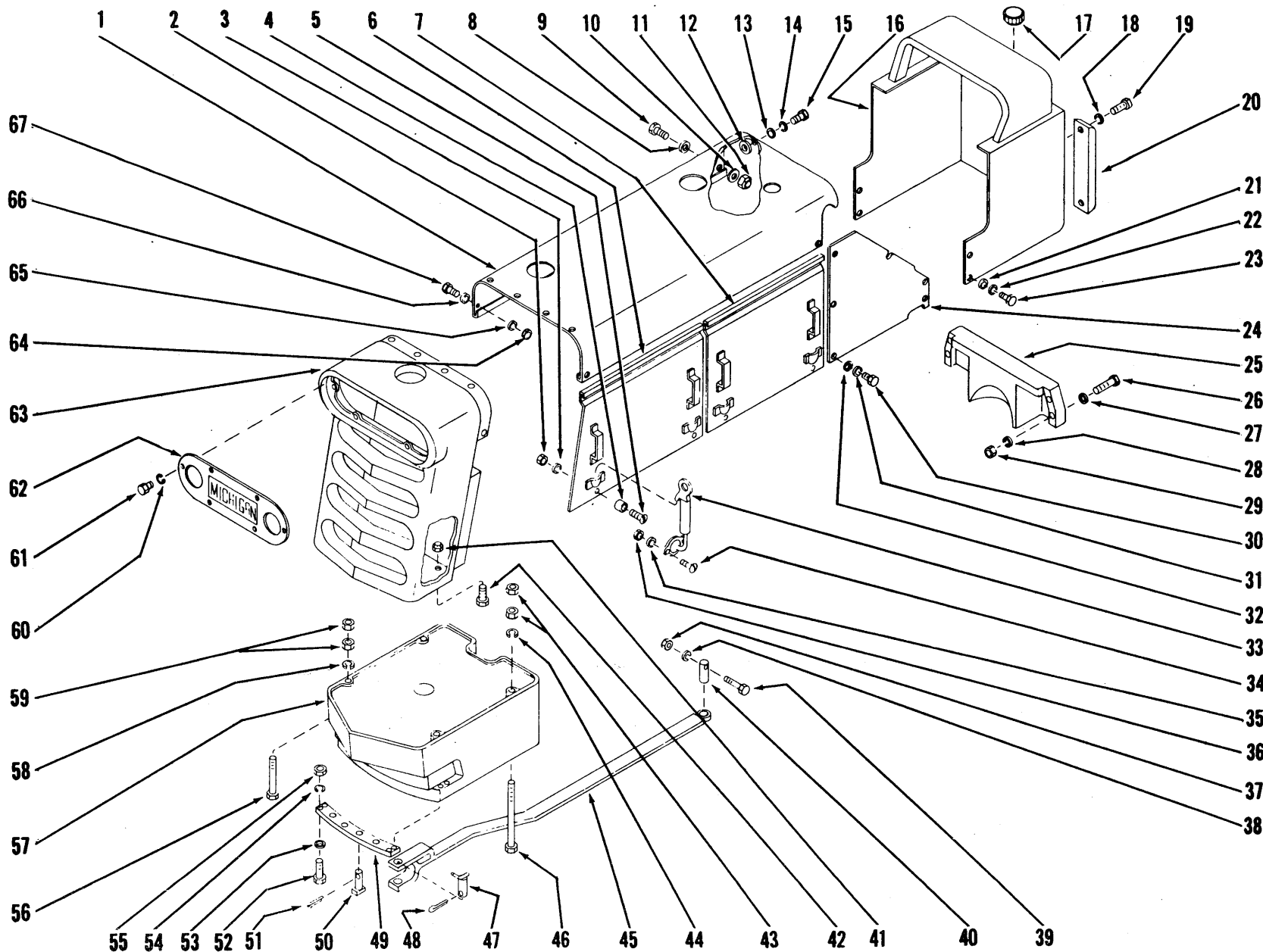
‡As Required

*NOTE: Two — 616800 Washers must be used with 539078 L.H. Support.

**NOTE: 68D-16 Nut must be used with 24C-16160 Bolt.

NOTE "A": When 534860 Frame Assy is installed on Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117 item 31B must be used.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

TS-1705-P

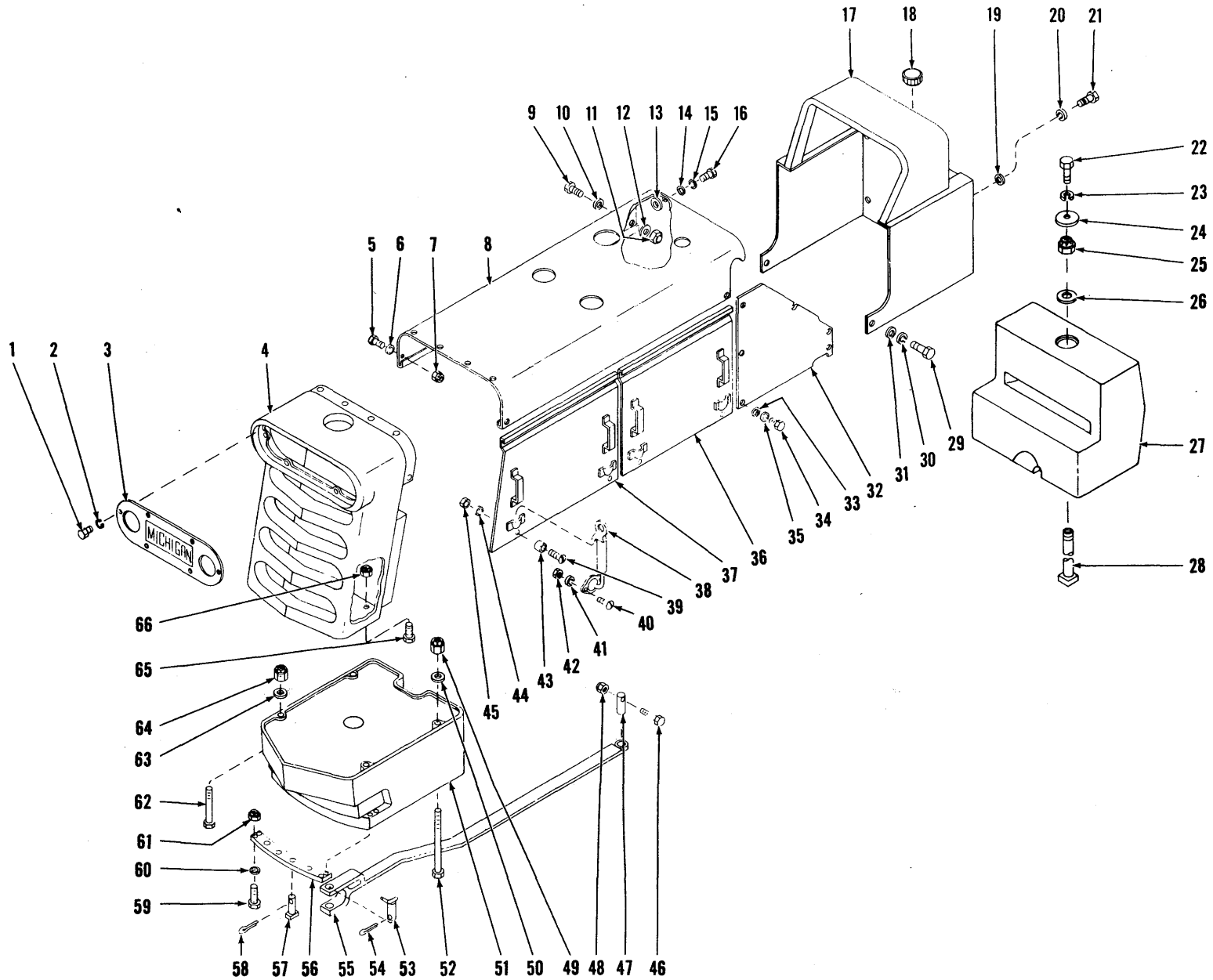
GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC111

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	524698	HOOD	1	33	552336	CATCH, Hood Side Panel	8
2	12D-8	NUT, Side Panel Bumper	8	34	3G-1018	SCREW, Catch to Frame	16
3	12E-8	LKWSHR, Side Panel Bumper	8	35	12E-10	LKWSHR, Catch to Frame	16
4	551434	BUMPER, Hood Side Panel	8	36	12D-10	NUT, Catch to Frame	16
5	3G-814	SCREW, Side Panel Bumper	8	37	2D-08	NUT, Drawbar to Frame	1
6	524759	PANEL, Rear Hood Side R.H.	1	38	4E-08	LKWSHR, Drawbar to Frame	1
6A	524760	†PANEL, Rear Hood Side L.H.	1	39	2C-868	BOLT, Drawbar to Frame	1
7	524757	PANEL, Front Hood Side R.H.	1	40	512743	PIN, Drawbar to Frame	1
7A	524758	†PANEL, Front Hood Side L.H.	1	41	21D-12	NUT, Grille to Frame	2
8	103293	WASHER, Hood to Frame	2	42	2C-1260	BOLT, Grille to Frame	2
9	2C-622	BOLT, Hood to Frame	2	43	62D-16	NUT, Counterweight to Frame	4
10	518233	PAD, Hood to Frame	2	44	3E-16	LKWSHR, Counterweight to Frame	2
11	103376	NUT, (Self Locking) Hood to Frame	2	45	525661	DRAWBAR	1
12	518233	PAD, Hood to Pivot Post Clip	2	46	16C-16256	BOLT, Counterweight to Frame	2
13	25E-21	WASHER, Hood to Pivot Post Clip	2	47	580159	PIN, Drawbar	1
14	4E-08	LKWSHR, Hood to Pivot Post Clip	2	48	1F-1252	COTTER, Drawbar Pin	1
15	1C-816	BOLT, Hood to Pivot Post Clip	2	49	580157	GUIDE, Drawbar Hitch	1
16	529013	SHROUD, Front	1	50	580158	PIN, Drawbar Stop	2
17	539837	CAP, Fuel Tank	1	51	1F-836	COTTER, Drawbar Stop Pin	2
18	4E-08	LKWSHR, Bumper Bar Attaching	4	52	16C-12104	BOLT, Guide to Counterweight	4
19	1C-836	BOLT, Bumper Bar Attaching	4	53	207023	WASHER, Guide to Counterweight	4
20	551539	BAR, Bumper	2	54	4E-12	LKWSHR, Guide to Counterweight	4
21	103293	WASHER, Shroud to Frame	2	55	2D-12	NUT, Guide to Counterweight	4
22	4E-06	LKWSHR, Shroud to Frame	2	56	16C-16104	BOLT, Counterweight to Frame	2
23	1C-616	BOLT, Shroud to Frame	2	57	580152	COUNTERWEIGHT	1
24	524756	SHROUD, Side Panel	2	58	2C-16	LKWSHR, Counterweight to Frame	2
25	580162	GUARD, Brush	1	59	62D-16	NUT, Counterweight to Frame	4
26	16C-12104	BOLT, Brush Guard	4	60	4E-05	LKWSHR, Light Mounting Plate	6
27	207023	WASHER, Brush Guard	4	61	1C-510	BOLT, Light Mounting Plate	6
28	4E-12	LKWSHR, Brush Guard	4	62	551292	PLATE, Light Mounting	1
29	2D-12	NUT, Brush Guard	4	63	550152	GRILLE	1
30	1C-616	BOLT, Side Shroud to Frame	12	64	2D-06	NUT, Hood to Grille	6
31	4E-06	LKWSHR, Side Shroud to Frame	12	65	4E-06	LKWSHR, Hood to Grille	6
32	103293	WASHER, Side Shroud to Frame	12	66	103293	WASHER, Hood to Grille	2
				67	2C-620	BOLT, Hood to Grille	6

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

TS-2819-P

GRILLE, COUNTERWEIGHT, DRAWBAR AND BODY PANELS

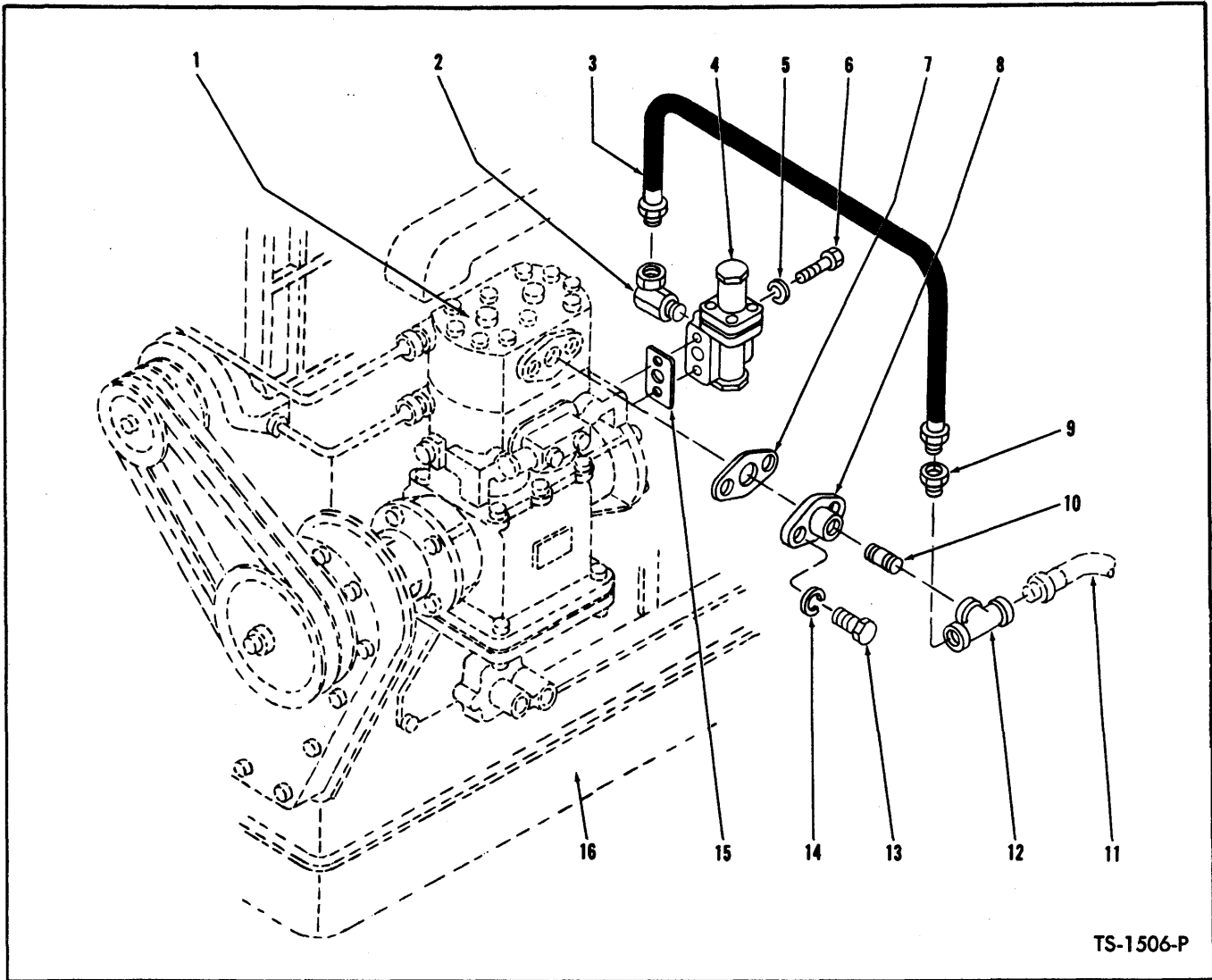
For Serial: CUMMINS — 2LC112 thru 2LC999

G.M. — 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1C-510	BOLT, Plate to Grille	6	35	4E-06	LKWSHR, Side Shroud to Frame	12
2	4E-05	LKWSHR, Plate to Grille	6	36	524757	PANEL, Front Hood Side — R.H.	1
3	551292	PLATE, Light Mounting	1	36A	524758	†PANEL, Front Hood Side — L.H.	1
4	550152	GRILLE	1	37	524759	PANEL, Rear Hood Side — R.H.	1
5	18C-620	BOLT, Hood to Grille	6	37A	524760	†PANEL, Rear Hood Side — L.H.	1
6	103293	WASHER, Hood to Grille	8	38	552336	CATCH, Hood Side Panel	8
7	18D-06	NUT, Hood to Grille	6	39	3G-818	SCREW, Side Panel Bumper	8
8		HOOD		40	3G-1024	SCREW, Catch to Frame	16
8A	524698	For Cummins Powered Machines	1	41	12E-10	LKWSHR, Catch to Frame	16
8B	540775	For G.M. Powered Machines	1	42	12D-10	NUT, Catch to Frame	16
9	18C-622	BOLT, Hood to Frame	2	43	551434	BUMPER, Hood Side Panel	8
10	103293	WASHER, Hood to Frame	2	44	12E-08	LKWSHR, Side Panel Bumper	8
11	18D-06	NUT, Hood to Frame	2	45	12D-8	NUT, Side Panel Bumper	8
12	518233	PAD, Hood to Frame	2	46	18C-868	BOLT, Drawbar Pin Retaining	1
13	518233	PAD, Hood to Frame	2	47	512743	PIN, Drawbar to Frame	1
14	25E-21	WASHER, Hood to Frame	2	48	18D-08	NUT, Drawbar Pin Retaining	1
15	4E-08	WASHER, Hood to Frame	2	49	68D-16	NUT, Counterweight to Frame	2
16	17C-816	BOLT, Hood to Frame	2	50	652483	WASHER, Counterweight to Frame	2
17	529013	SHROUD, Front	1	51		COUNTERWEIGHT, Rear	
18	539837	CAP, Fuel Tank	1	51A	580152	For Cummins Powered Machines	1
19	25E-21	WASHER, Shroud to Frame	4	51B	540709	For G.M. Powered Machines	1
20	4E-08	LKWSHR, Shroud to Frame	4	52	24C-16256	BOLT, Counterweight to Frame (Front)	2
21	17C-816	BOLT, Shroud to Frame	4	53	580159	PIN, Drawbar	1
22	18C-622	BOLT, Cover Attaching	1	54	1F-1252	COTTER, Drawbar Pin	1
23	4E-06	LKWSHR, Cover Attaching	1	55	525661	DRAWBAR	1
24	522911	PLATE, Cover	1	56	580157	GUIDE, Drawbar Hitch	1
25	18D-24	NUT, Counterweight Attaching	1	57	580158	PIN, Drawbar Stop	2
26	522912	WASHER, Counterweight Attaching	1	58	1F-836	COTTER, Stop Pin	2
27	528422	COUNTERWEIGHT, Front (Brush Guard)	1	59	24C-12104	BOLT, Guide to Counterweight	4
28	528438	BOLT, Counterweight Attaching	1	60	207023	WASHER, Guide to Counterweight	4
29	17C-616	BOLT, Shroud to Frame	2	61	18D-12	NUT, Guide to Counterweight	4
30	4E-06	LKWSHR, Shroud to Frame	2	62	24C-16104	BOLT, Counterweight to Frame (Rear)	2
31	103293	WASHER, Shroud to Frame	2	63	652483	WASHER, Counterweight to Frame	2
32	524756	SHROUD, Side	2	64	68D-16	NUT, Counterweight to Frame	2
33	103293	WASHER, Side Shroud to Frame	12	65	18C-1264	BOLT, Grille to Frame	2
34	17C-616	BOLT, Side Shroud to Frame	12	66	18D-12	NUT, Grille to Frame	2

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-1506-P

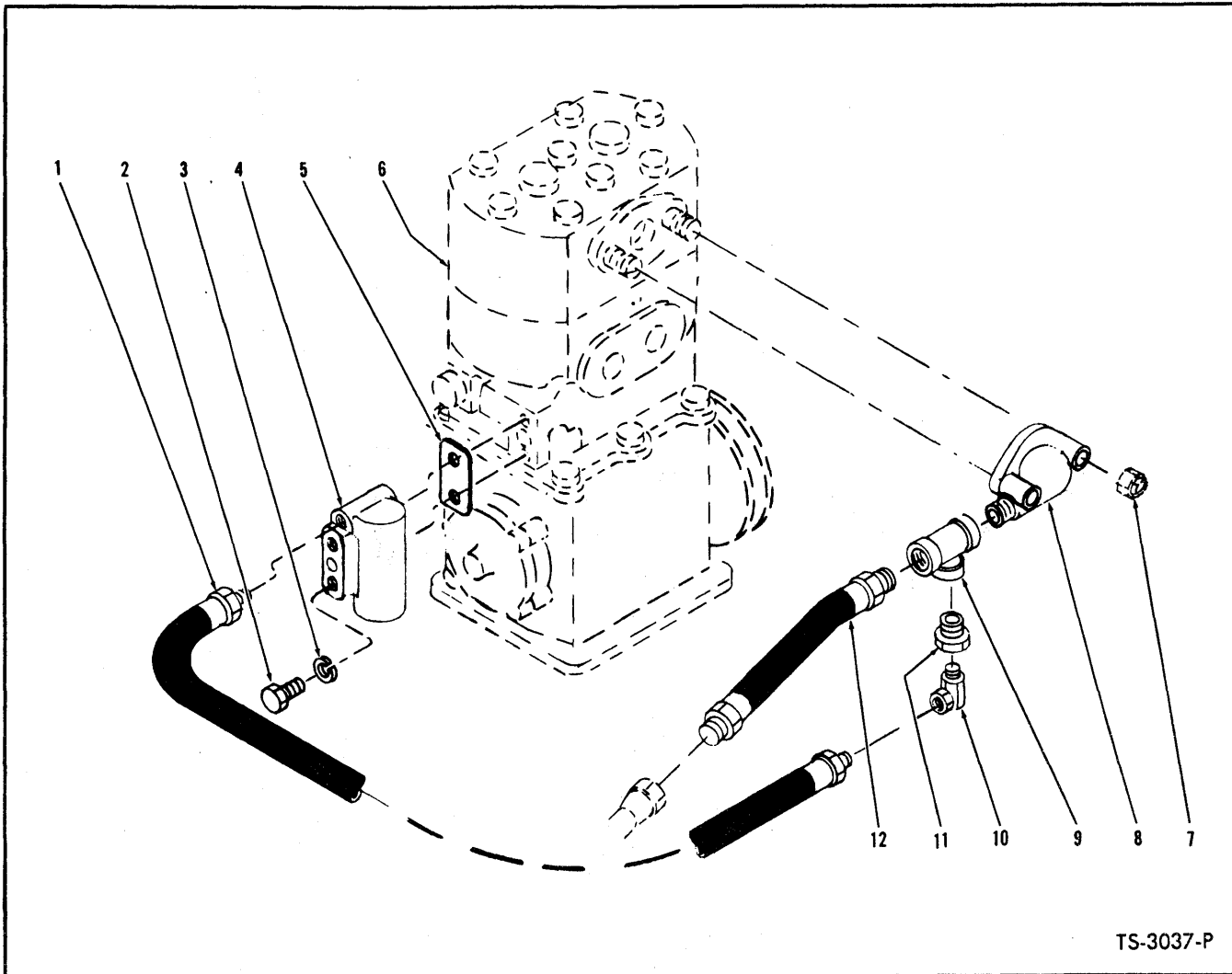
AIR COMPRESSOR AND CONNECTIONS – CUMMINS

NOTE: Compressor Water and Oil Lines are furnished with engine. When replacement of Water or Oil Lines are needed contact your local authorized Cummins Engine Distributor for same.

Item No.	Part No.	Description	No. Req'd.
1	-----	COMPRESSOR — See Engine Parts Book	1
2	31F-1	ADAPTER UNION, Hose to Governor	1
3	593650	HOSE, Tee to Governor	1
4	540306	*GOVERNOR, Compressor — B.W. #275200	1
5	4E-05	LKWSHR, Governor to Compressor	2
6	1C-548	BOLT, Governor to Compressor	2
7	951948	*GASKET, Discharge Fitting—B.W. #204820	1
8	510452	*FITTING, Discharge — B.W. #213042	1
9	356616	BUSHING, Tee Reducing	1
10	5K-409	NIPPLE, Tee to Compressor	1
11	-----	BRAKE AIR LINES — See Index	—
12	18F-4	TEE, Compressor Air Lines	1
13	1C-514	BOLT, Discharge Fitting	2
14	4E-05	LKWSHR, Discharge Fitting	2
15	942646	*GASKET, Governor—B.W. #223577	1
16	-----	ENGINE—See Engine Parts Book	—

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service and supply these parts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-3037-P

AIR COMPRESSOR AND CONNECTIONS – G.M.

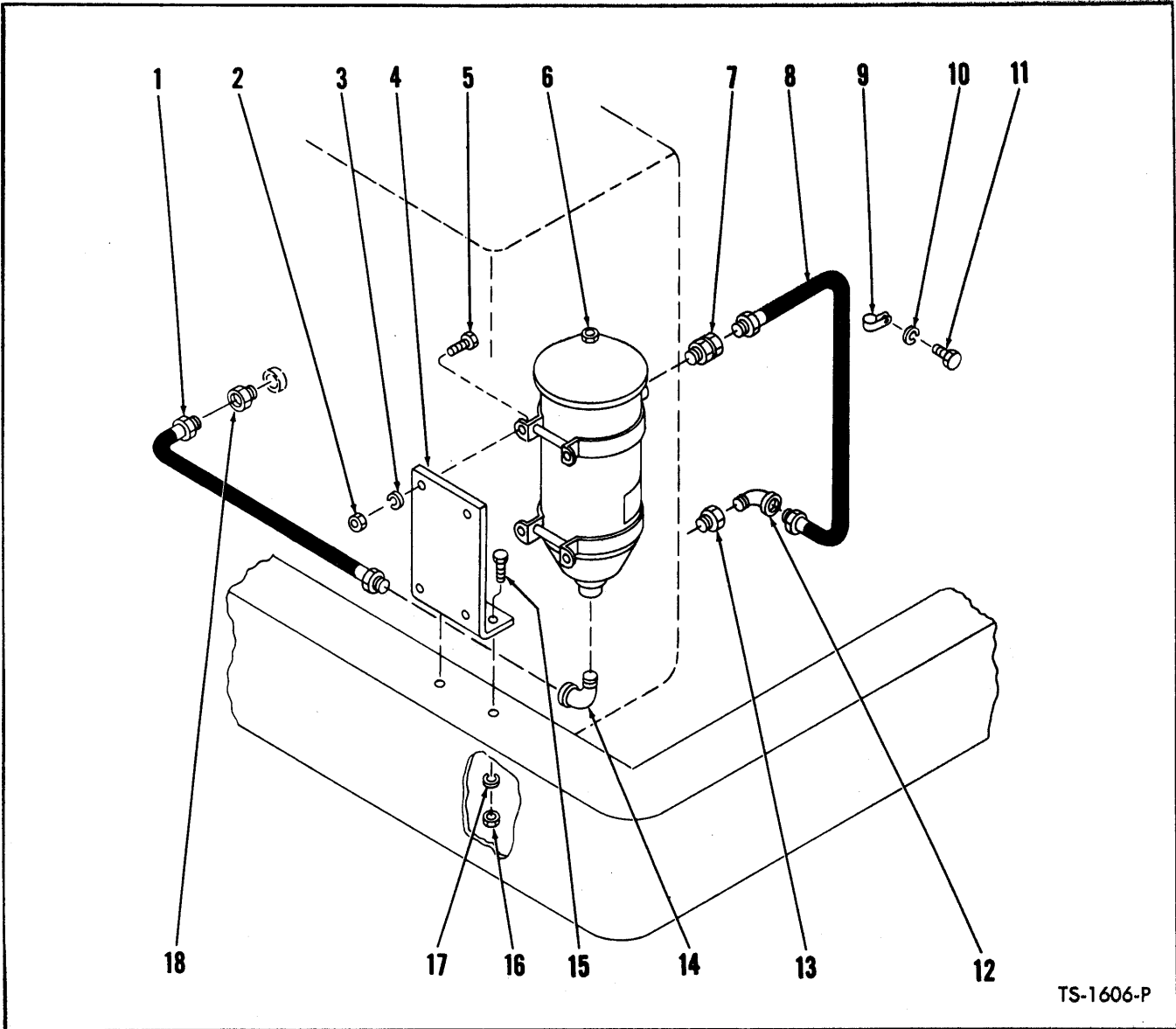
Item No.	Part No.	Description	No. Req'd.
1	538946	HOSE, Compressor to Governor	1
2	1C-544	BOLT, Governor to Compressor	2
3	4E-05	LKWSHR, Governor to Compressor	2
4	540306	*GOVERNOR – B.W. #275200	1
5	942646	*GASKET, Governor – B.W. #223577	1
6	-----	*COMPRESSOR ASSY – B.W. #226434	—
7	-----	**NUT, Fitting Attaching	2
8	522846	FITTING, Discharge (See Note A)	1
9	18F-4	TEE	1
10	31F-1	ADAPTER	1
11	356616	BUSHING, Adapter to Tee	1
12	540873	HOSE, Tee to Reservoir	1

*NOTE: Your local Bendix-Westinghouse Distributor is equipped to service and supply these parts.

**NOTE: This part is furnished with engine. See your Engine Parts Book.

NOTE "A": For replacement of 522846 use 1-510452 Fitting plus 1-5K-412 Nipple & 1-26F-4 Elbow.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



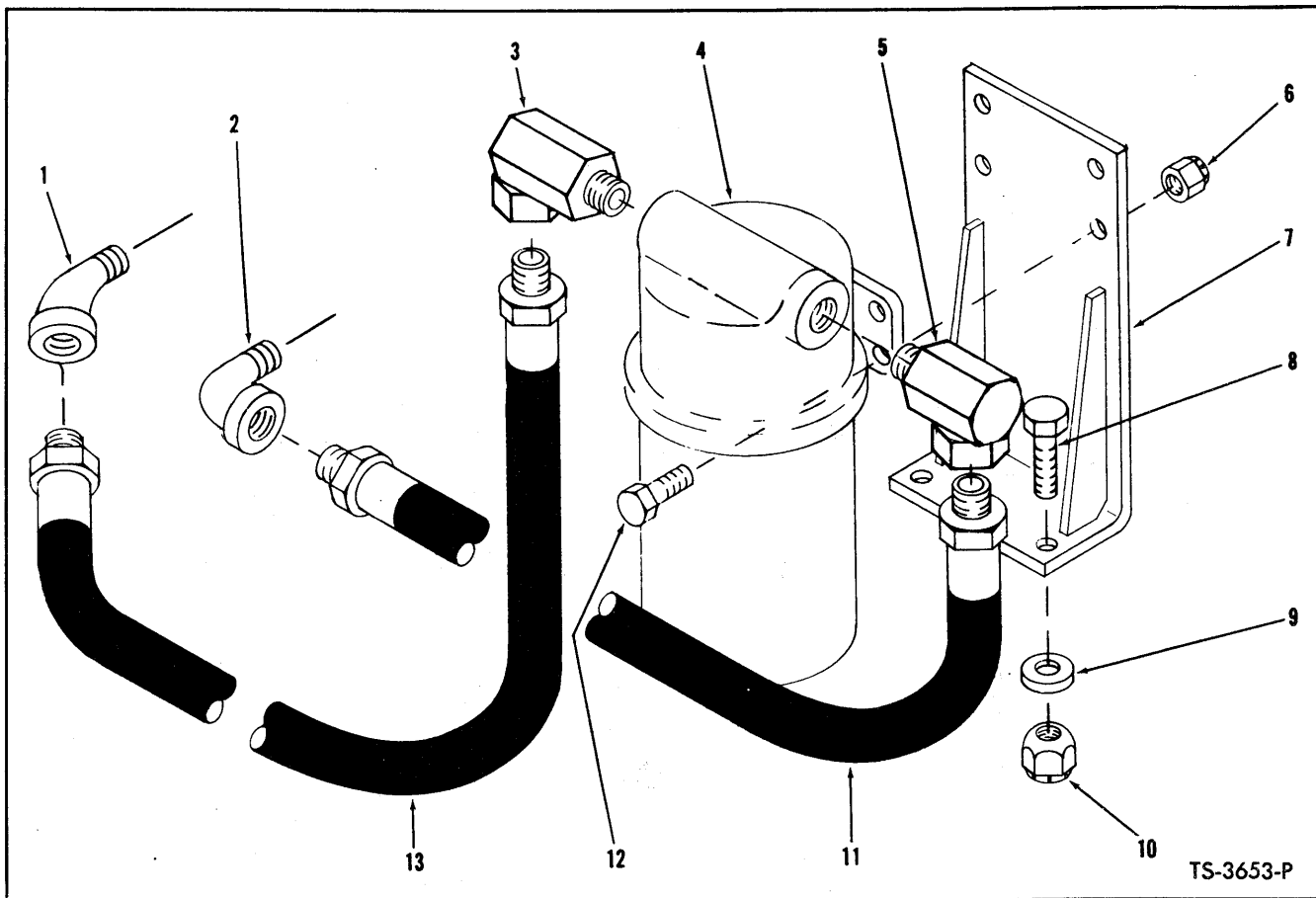
TS-1606-P

ENGINE BY-PASS OIL FILTER — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	551311	HOSE, Filter to Engine—Drain	1	10	4E-06	LKWSHR, Clip to Engine	1
2	18D-05	NUT, Filter to Bracket	4	11	1C-608	BOLT, Clip to Engine	1
3	OMIT	LKWSHR, Filter to Bracket	—	12	26F-3	ELBOW, Pressure Hose	1
4	527076	BRACKET, By-Pass Filter	1	13	356618	BUSHING, Engine Reducing	1
5	2C-512	BOLT, Filter to Bracket	4	14	26F-2	ELBOW, Drain Hose to Filter	1
6	524526	FILTER, By-Pass Oil (Inc. 6A)	1	15	2C-628	BOLT, Bracket to Frame	2
6A	943954	†CARTRIDGE KIT, Oil Filter	1	16	70D-06	NUT, Bracket to Frame	2
7	672758	ADAPTER UNION, Hose to Filter.....	1	17	71D-06	BASE, Bracket to Frame Nut	2
8	669855	HOSE, Engine to Filter—Pressure.....	1	18	356614	BUSHING, Engine Reducing	1
9	6H-18	CLIP, Hose to Engine	1				

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

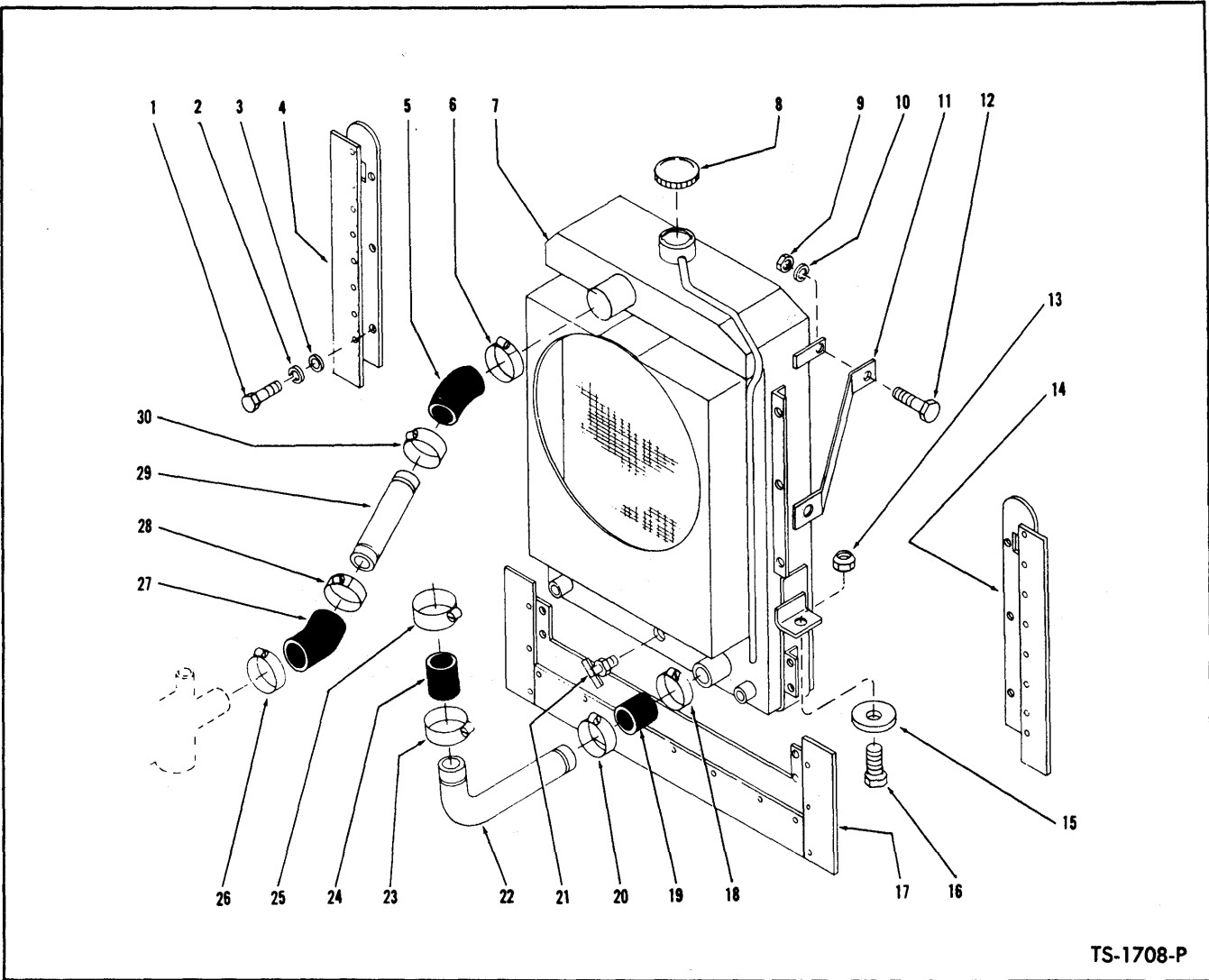


ENGINE LUBE FILTER – G.M.

Item No.	Part No.	Description	No. Req'd.
1	25F-5	ELBOW, Hose to Engine	1
2	26F-5	ELBOW, Hose to Engine	1
3	31F-5	ADAPTER, Hose to Filter	1
4	-----	*FILTER, Engine Lube	1
5	31F-5	ADAPTER, Hose to Filter	1
6	18D-06	NUT, Filter to Bracket	4
7	541902	BRACKET, Filter Mounting	1
8	18C-624	BOLT, Bracket to Frame	2
9	71D-06	BASE, Bracket to Frame Nut	2
10	70D-06	NUT, Bracket to Frame	2
11	629162	HOSE, Engine Outlet to Filter Inlet	1
12	18C-620	BOLT, Filter to Bracket	4
13	550877	HOSE, Filter Outlet to Engine Inlet	1

*Furnished with engine. See your local G.M. Distributor for service or replacement.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



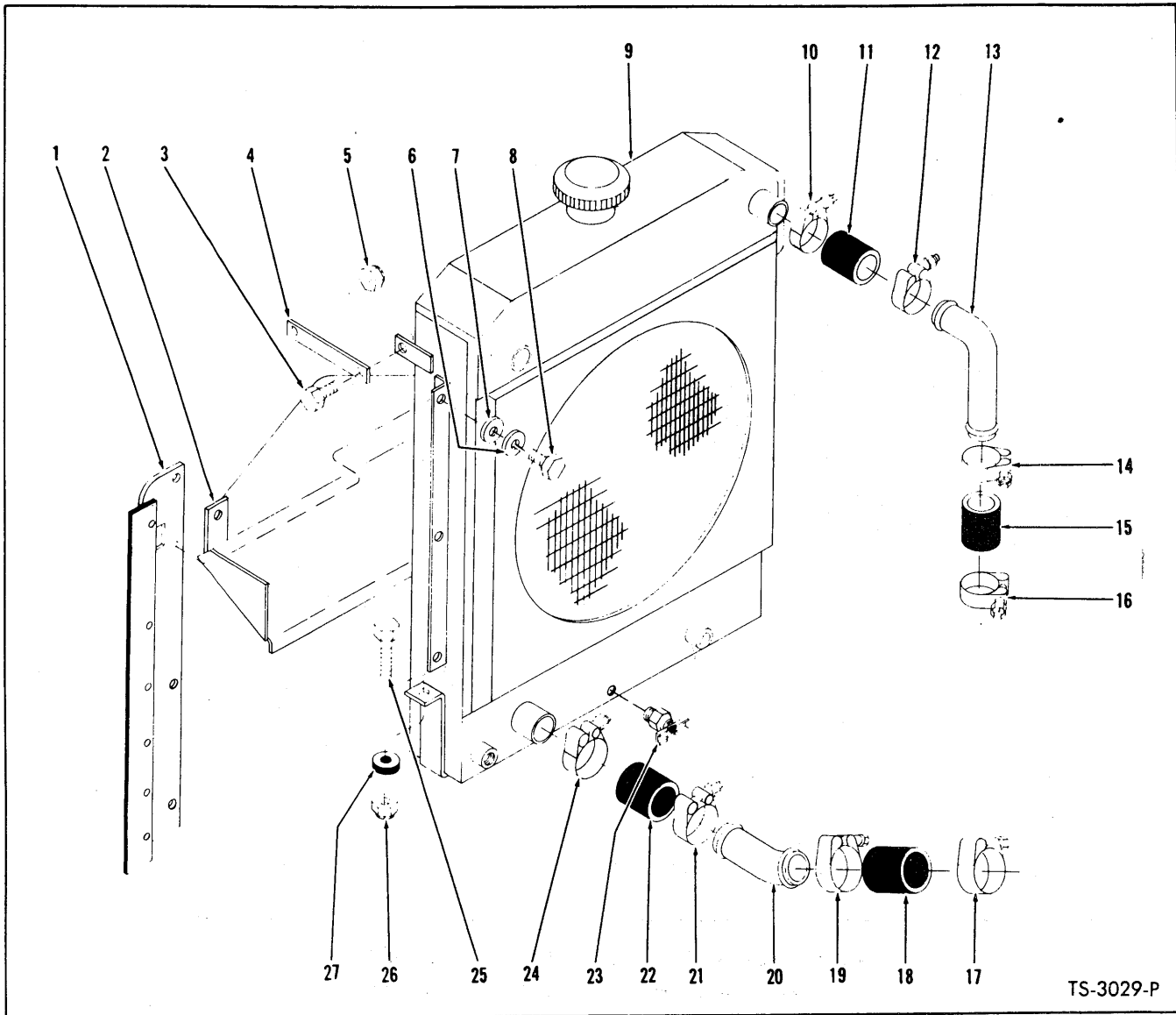
TS-1708-P

RADIATOR AND CONNECTIONS – CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2C-512	BOLT, Panels to Radiator	10	16	2C-836	BOLT, Radiator to Frame.....	2
2	4E-05	LKWSHR, Panels to Radiator	10	17	514514	PANEL ASSY, Radiator Shroud Bottom	1
3	25E-16	WASHER, Panels to Radiator	10	18	540104	CLAMP, Lower Hose	1
4	514512	PANEL ASSY, Radiator Shroud Side--	1	19	1M-18032	HOSE, Lower Radiator	1
5	515898	HOSE, Upper Tube to Radiator	1	20	540104	CLAMP, Lower Hose	1
6	540104	CLAMP, Upper Hose	1	21	73F-2	DRAIN COCK, Radiator.....	1
7	525117	RADIATOR (Inc. 7A)	1	22	522555	TUBE, Lower Radiator.....	1
7A	946254	†BOTTOM TANK & COOLER	1	23	540104	CLAMP, Lower Hose	1
8	351495	CAP, Radiator	1	24	1M-18032	HOSE, Lower Radiator	1
9	2D-06	NUT, Clip to Radiator	2	25	540104	CLAMP, Lower Hose	1
10	4E-06	LKWSHR, Clip to Radiator	2	26	540104	CLAMP, Upper Hose	1
11	551616	CLIP, Radiator to Grille.....	2	27	515898	HOSE, Upper Radiator	1
12	2C-614	BOLT, Clip to Radiator	2	28	540104	CLAMP, Upper Hose	1
13	21D-8	NUT, Radiator to Frame.....	2	29	515897	TUBE, Upper Radiator	1
14	514512	PANEL ASSY, Radiator Shroud Side..	1	30	540104	CLAMP, Upper Hose	1
15	518233	PAD, Radiator to Frame.....	2				

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

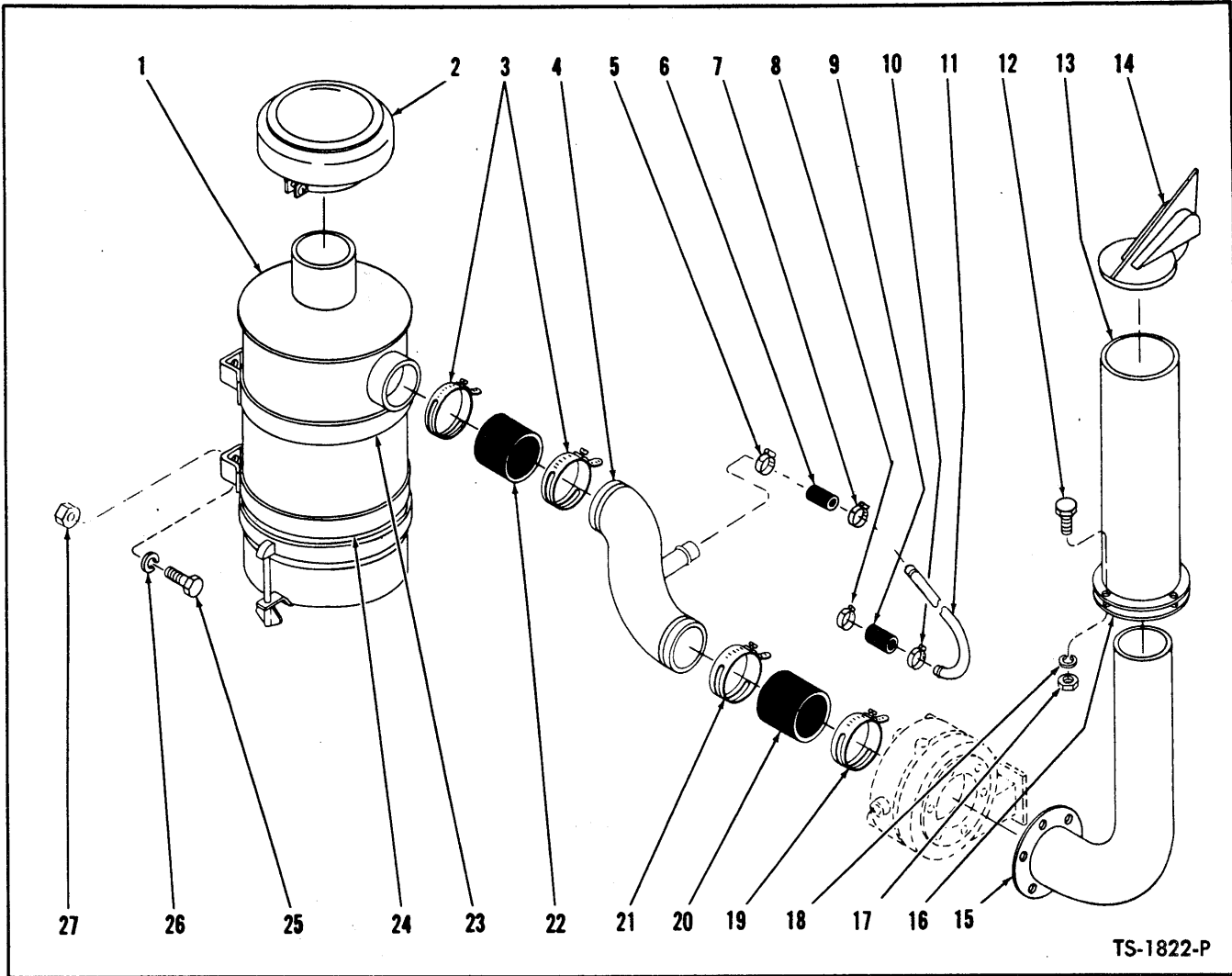


TS-3029-P

RADIATOR AND CONNECTIONS — G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	514512	PANEL, Air Deflector — Side	2	15	540678	HOSE, Tube to Engine	2
2	541877	AIR DEFLECTOR	1	16	540266	CLAMP, Hose	2
3	18C-614	BOLT, Clip to Radiator	2	17	540108	CLAMP, Hose	1
4	551616	CLIP, Radiator to Grille	2	18	1M-16030	HOSE, Tube to Engine	1
5	18D-06	NUT, Clip to Radiator	2	19	540108	CLAMP, Hose	1
6	4E-05	LKWSHR, Panel to Radiator	6	20	540676	TUBE, Radiator Outlet	1
7	25E-16	WASHER, Panel to Radiator	6	21	540108	CLAMP, Hose	1
8	18C-512	BOLT, Panel to Radiator	6	22	1M-16030	HOSE, Tube to Radiator	1
9	2515090	RADIATOR	1	23	73F-2	DRAIN COCK	1
10	540266	CLAMP, Hose	2	24	540108	CLAMP, Hose	1
11	540678	HOSE, Radiator to Tube	2	25	18C-836	BOLT, Radiator to Frame	2
12	540266	CLAMP, Hose	2	26	18D-08	NUT, Radiator to Frame	2
13	540677	TUBE, Radiator Inlet	2	27	518233	PAD, Radiator to Frame	2
14	540266	CLAMP, Hose	2				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AIR CLEANER AND TAILPIPE – CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC117

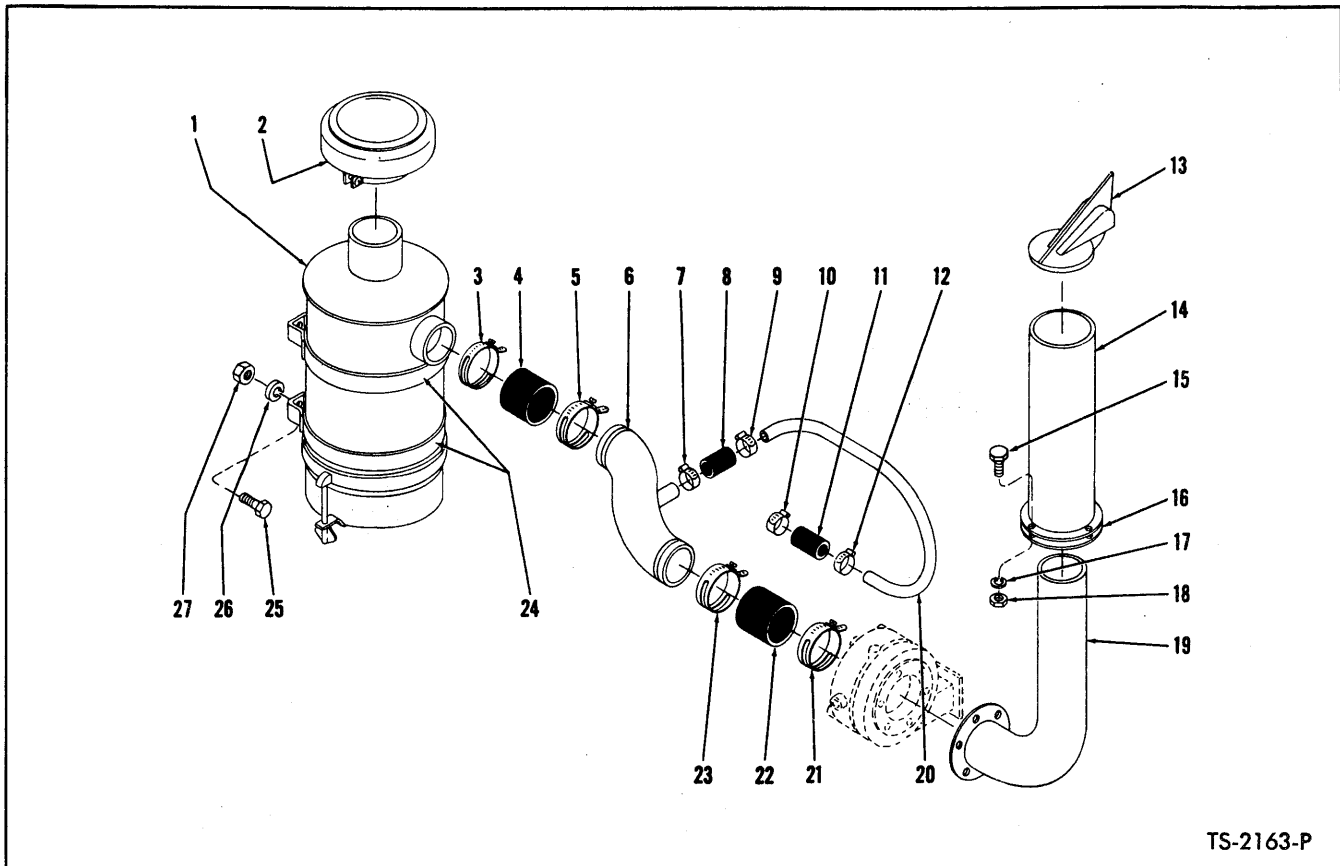
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	940560	AIR CLEANER – See Note "A"	1	14	592867	CAP, Tail Pipe Rain	1
2	511512	CAP, Air Cleaner	1	15	592310	ELBOW, Exhaust Pipe	1
3	539042	CLAMP, Hose	2	16	525535	FLANGE, Tail Pipe to Hood	1
4	509265	*TUBE, Air Intake	1	17	2D-06	NUT, Tail Pipe to Hood	4
5	540103	CLAMP, Hose to Tube	1	18	4E-06	LKWSHR, Tail Pipe to Hood	4
6	529979	HOSE, Tube to Tube	1	19	539042	CLAMP, Hose	1
7	540103	CLAMP, Hose to Tube	1	20	521016	HOSE, Tube to Turbo-Charger	1
8	540103	CLAMP, Hose to Compressor Flange ..	1	21	539042	CLAMP, Hose	1
9	529979	HOSE, Compressor Tube to Compressor	1	22	521016	HOSE, Tube to Air Cleaner	1
10	540103	CLAMP, Hose to Tube	1	23	941474	BAND, Air Cleaner Mounting	1
11	509267	**TUBE, Compressor Intake	1	24	941474	BAND, Air Cleaner Mounting	1
12	2C-620	BOLT, Tail Pipe to Hood	4	25	2C-612	BOLT, Air Cleaner to Reservoir	4
13	525536	PIPE, Tail	1	26	4E-06	LKWSHR, Air Cleaner to Reservoir	4
				27	2D-06	NUT, Air Cleaner to Reservoir	4

*NOTE: When 509265 Air Intake Tube is installed in machine, Serial 2892 thru 2942, 2LC52 thru 2LC66, item 11, 509267 Compressor Intake Tube must be replaced at same time.

**NOTE: When 509267 Compressor Intake Tube only is installed in machine Serial 2892 thru 2942, 2LC52 thru 2LC66 use 1, 667289 Hose Nipple at Air Intake Tube.

NOTE "A": For replacement of 940560 Air Cleaner use 542333 Air Cleaner.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

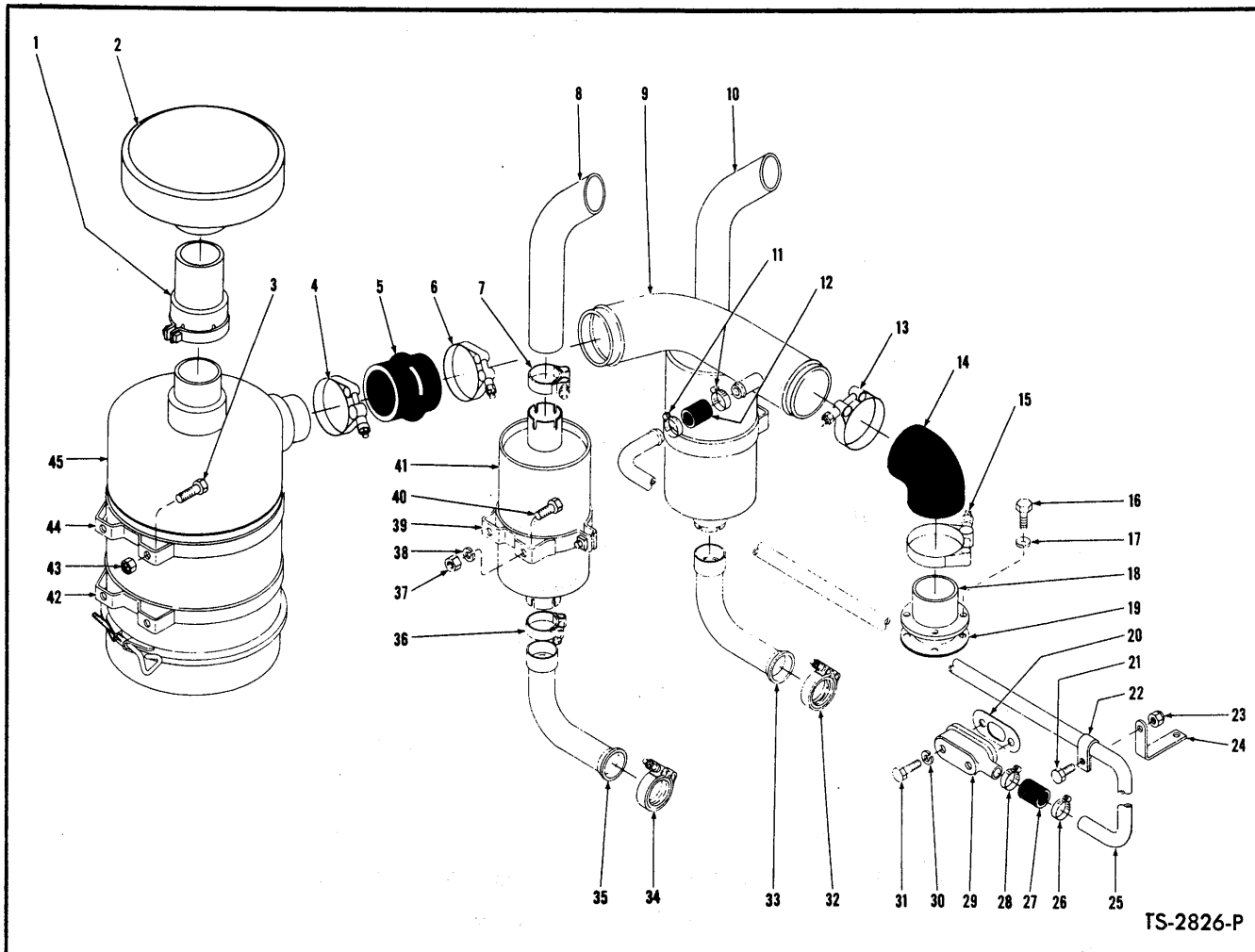


TS-2163-P

AIR CLEANER CONNECTIONS AND TAILPIPE — CUMMINS
For Serial 2LC118 thru 2LC999

Item No.	Part No.	Description	No. Req'd.
1	-----	AIR CLEANER — (See Index)	—
2	511512	CAP, Air Cleaner	1
3	539042	CLAMP, Hose	1
4	521016	HOSE, Tube to Air Cleaner	1
5	539042	CLAMP, Hose	1
6	535099	TUBE, Air Intake	1
7	540103	CLAMP, Hose	1
8	529979	HOSE, Compressor Tube to Intake Tube	1
9	540103	CLAMP, Hose	1
10	540103	CLAMP, Hose	1
11	529979	HOSE, Compressor Tube to Compressor	1
12	540103	CLAMP, Hose	1
13	592867	CAP, Tail Pipe Rain	1
14	525536	TAIL PIPE	1
15	2C-620	BOLT, Exhaust Pipe to Hood	4
16	525535	FLANGE, Tail Pipe to Hood	1
17	4E-06	LKWSHR, Tail Pipe to Hood	4
18	2D-06	NUT, Tail Pipe to Hood	4
19	592310	EXHAUST PIPE	1
20	509267	TUBE, Compressor Air Intake	1
21	539042	CLAMP, Hose	1
22	521016	HOSE, Tube to Air Cleaner	1
23	539042	CLAMP, Hose	1
24	532687	BAND, Air Cleaner Attaching	1
25	2C-612	BOLT, Air Cleaner to Reservoir	4
26	4E-06	LKWSHR, Air Cleaner to Reservoir	4
27	2D-06	NUT, Air Cleaner to Reservoir	4

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

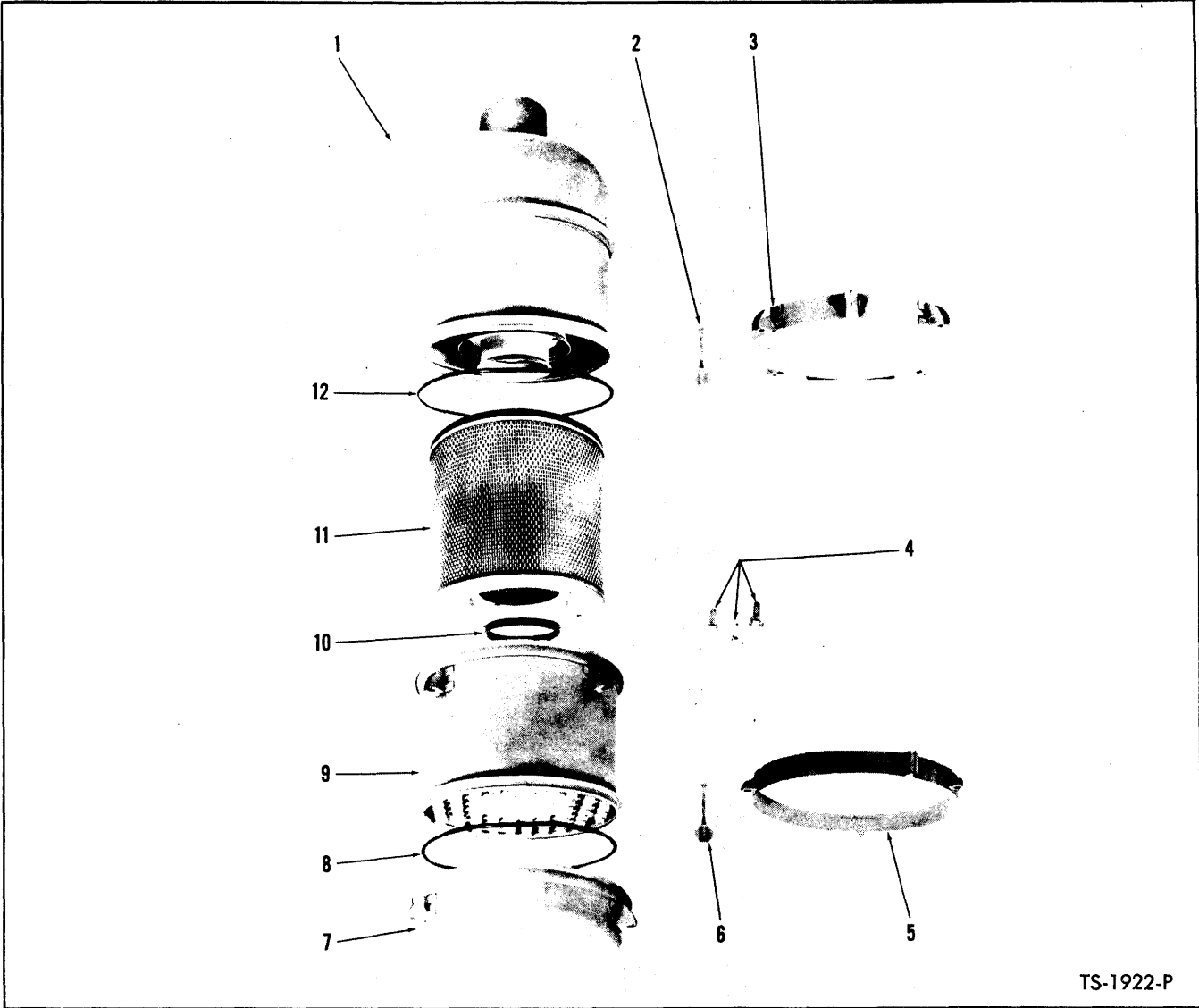


TS-2826-P

AIR CLEANER AND MUFFLER – G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	540781	EXTENSION, Air Cleaner	1	24	541999	BRACKET, Tube Clip	1
2	521686	CAP, Air Cleaner	1	25	540799	TUBE, Compressor Air Intake	1
3	2C-612	BOLT, Air Cleaner Mounting	4	26	540103	CLAMP, Hose	1
4	540797	CLAMP, Hose to Air Cleaner	1	27	529979	HOSE, Tube to Compressor Elbow	1
5	513864	HOSE, Air Cleaner to Tube	1	28	540103	CLAMP, Hose	1
6	540797	CLAMP, Tube to Tube	1	29	540888	ELBOW, Compressor Inlet	1
7	541869	CLAMP, Tailpipe to Muffler	2	30	4E-05	LKWSHR, Elbow to Compressor	2
8	541870	TAILPIPE	1	31	1C-532	BOLT, Elbow to Compressor	2
9	540782	TUBE, Air Inlet	1	32	539906	CLAMP, Exhaust Pipe to Manifold	1
10	541870	TAILPIPE	1	33	541872	EXHAUST PIPE, R.H.	1
11	540103	CLAMP, Hose	2	34	539906	CLAMP, Exhaust Pipe to Manifold	1
12	529979	HOSE, Tube to Tube	1	35	541871	EXHAUST PIPE, L.H.	1
13	540797	CLAMP, Tube to Hose	1	36	541869	CLAMP, Exhaust Pipe to Muffler	2
14	591123	HOSE, Tube to Flange	1	37	2D-06	NUT, Muffler to Hood	4
15	540797	CLAMP, Hose to Flange	1	38	4E-06	LKWSHR, Muffler to Hood	4
16	1C-616	BOLT, Flange to Engine	4	39	532686	STRAP, Muffler Mounting	2
17	4E-06	LKWSHR, Flange to Engine	4	40	2C-612	BOLT, Muffler to Hood	4
18	540784	ADAPTER, Engine Air Intake	1	41	532603	MUFFLER	2
19	541990	GASKET, Flange to Engine	1	42	509763	STRAP, Air Cleaner Mounting	1
20	875012	GASKET, Compressor Elbow	1	43	18D-06	NUT, Air Cleaner Mounting	4
21	2C-612	BOLT, Clip	1	44	509763	STRAP, Air Cleaner Mounting	2
22	6H-20	CLIP, Tube	1	45	---	AIR CLEANER (See Index)	1
23	18D-06	NUT, Clip	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

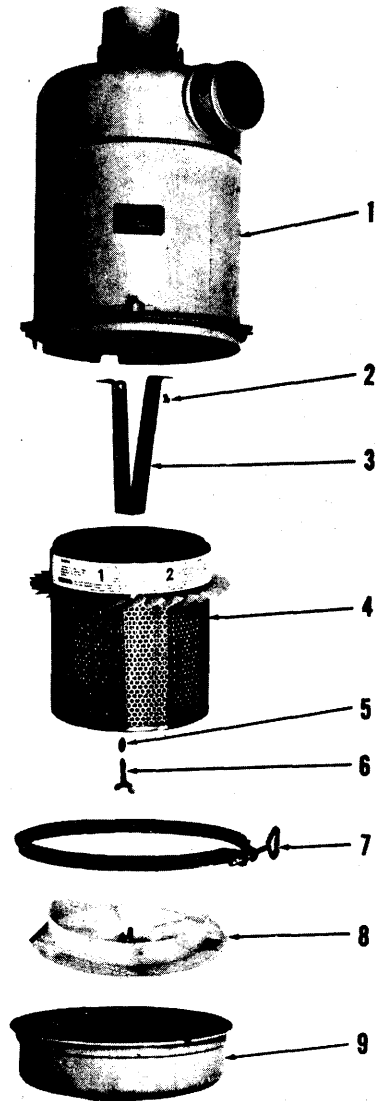


AIR CLEANER ASSEMBLY – CUMMINS
For Serial 2LC118 thru 2LC999

Item No.	Part No.	Description	No. Req'd.
A	532675	AIR CLEANER ASSY (Inc. 1 thru 12)	1
1	944655	BODY	1
2	944403	BOLT	4
2A	874964	†NUT, Bolt	4
3	944654	BAND, Upper	1
4	944405	WING NUT	3
5	532687	BAND, Lower	1
6	944650	BOLT	3
6A	874964	†NUT, Bolt	3
7	944649	CUP, Dust	1
8	944653	GASKET, Dust Cup	1
9	—	§DONACLONE ASSY (See "A")	—
10	944652	GASKET	1
11	944633	ELEMENT	1
12	944653	GASKET	1

†Not Illustrated
§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



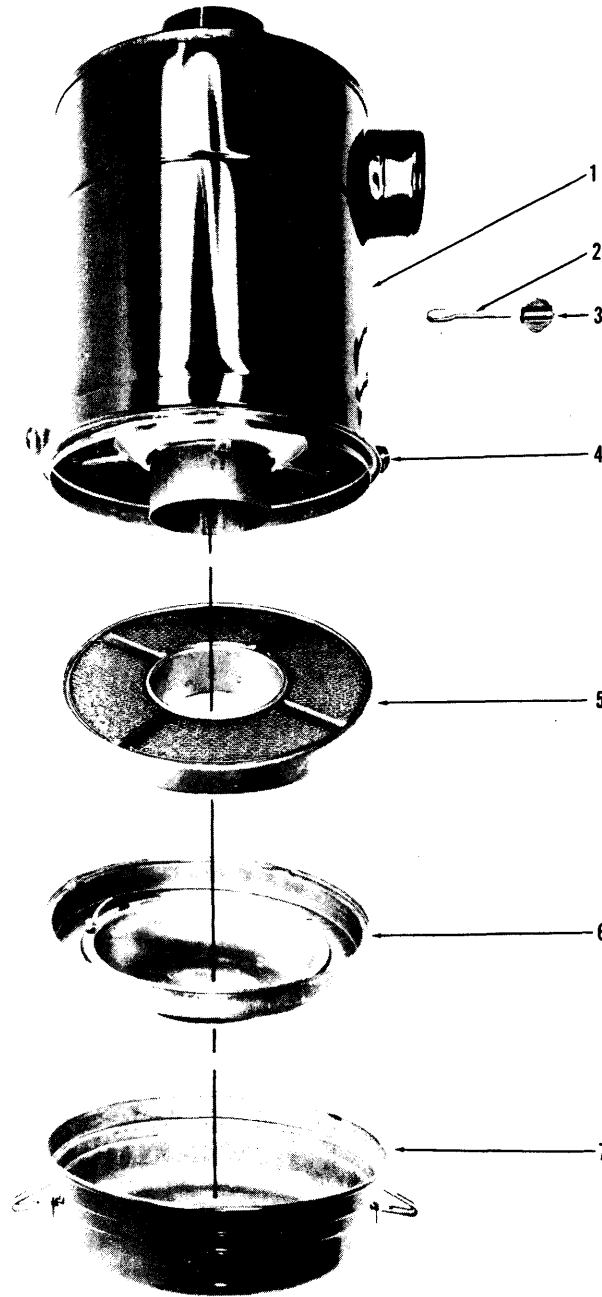
TS-3043-P

AIR CLEANER ASSEMBLY – G.M.

Item No.	Part No.	Description	No. Req'd.
A	540699	AIR CLEANER ASSY (Inc. 1 thru 9)	1
1	-----	§BODY, Air Cleaner – See "A"	1
2	4G-508	SCREW, Yoke to Body	2
2A	8E-05	LKWSHR, Yoke to Body	2
3	944808	YOKE, Element Retaining	1
4	944809	ELEMENT	1
5	886287	WASHER	1
6	886285	THUMB SCREW	1
7	944810	CLAMP, Dust Cup	1
8	944784	BAFFLE	1
9	944785	CUP, Dust	1
9A	944404	†GASKET, Dust Cap	1

§ Not Sold Separately
† Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-4357

AIR CLEANER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	542333	AIR CLEANER ASSY (Inc. 1 thru 7)	1
1	-----	§BODY (See "A")	—
2	891814	HOOK	2
3	891815	NUT, Wing	2
4	891813	BAND ASSY	1
5	891588	ELEMENT	1
6	891811	CUP, Inner Oil	1
7	891812	CUP, Outer Oil	1

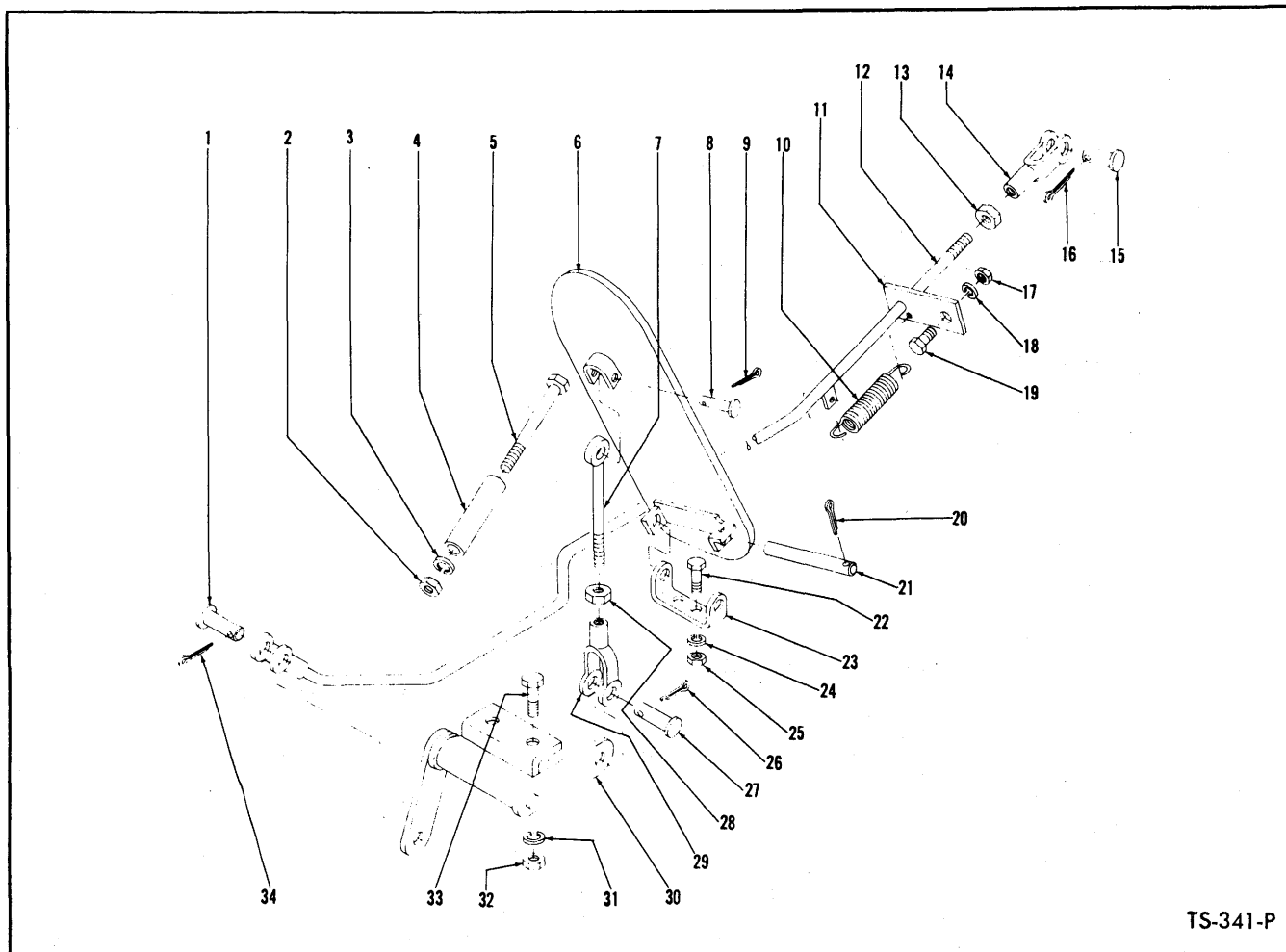
§Not Sold Separately — Order Complete Assembly

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

(

(

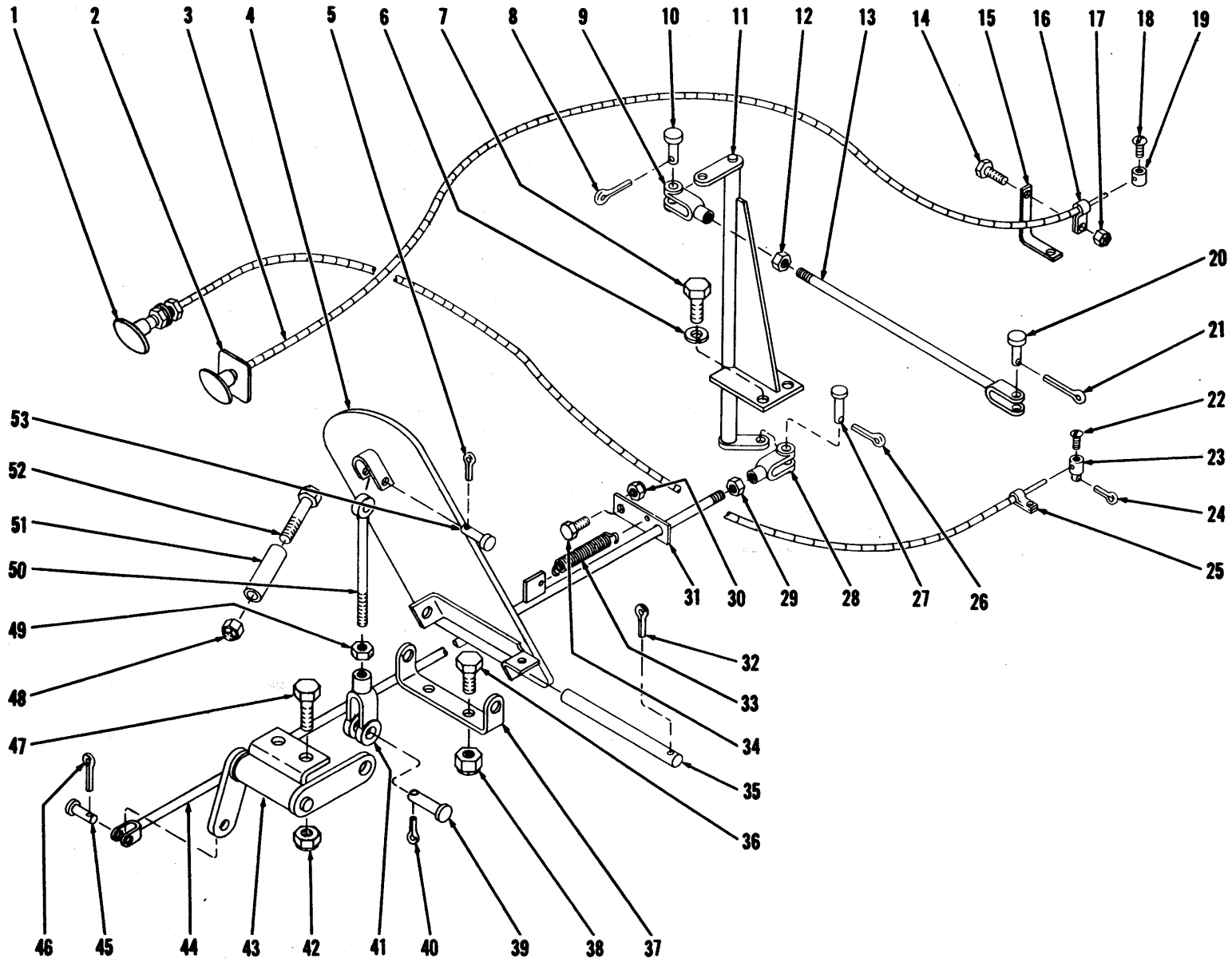
(



ACCELERATOR PEDAL AND LINKAGE — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	4F-04051	PIN, Rod to Bell Crank.....	1	18	4E-06	LKWSHR, Guide to Engine Support ..	1
2	2D-04	NUT, Pedal Stop to Floorboard.....	1	19	2C-620	BOLT, Guide to Engine Support	1
3	4E-04	LKWSHR, Pedal Stop to Floorboard ...	1	20	1F-316	COTTER, Pedal to Bracket	1
4	551016	STOP, Pedal	1	21	623762	PIN, Pedal to Bracket	1
5	2C-448	BOLT, Pedal Stop to Floorboard.....	1	22	2C-410	BOLT, Bracket to Floorboard	2
6	623829	PEDAL, Accelerator	1	23	551015	BRACKET, Accelerator Pedal Pivot ...	1
7	550619	ROD, Pedal to Bell Crank	1	24	4E-04	LKWSHR, Bracket to Floorboard	2
8	4F-04051	PIN, Pedal to Rod	1	25	2D-04	NUT, Bracket to Floorboard	2
9	1F-207	COTTER, Pedal to Rod Pin.....	1	26	1F-207	COTTER, Clevis to Bell Crank Pin	1
10	551014	SPRING, Accelerator Rod Return.....	1	27	4F-04051	PIN, Clevis to Bell Crank	1
11	516178	GUIDE, Accelerator Rod.....	1	28	8D-04	NUT, Clevis Jam	1
12	522568	ROD, Accelerator	1	29	2J-4200	CLEVIS, Rod to Bell Crank	1
13	8D-05	NUT, Clevis Jam	1	30	516175	BELL CRANK	1
14	2J-5204	CLEVIS, Rod to Pump	1	31	4E-04	LKWSHR, Bell Crank to Floorboard	1
15	4F-05062	PIN, Clevis to Pump	1	32	2D-04	NUT, Bell Crank to Floorboard	1
16	1F-312	COTTER, Clevis to Pump Pin	1	33	2C-410	BOLT, Bell Crank to Floorboard	1
17	2D-06	NUT, Guide to Engine Support	1	34	1F-207	COTTER, Rod to Bell Crank Pin	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



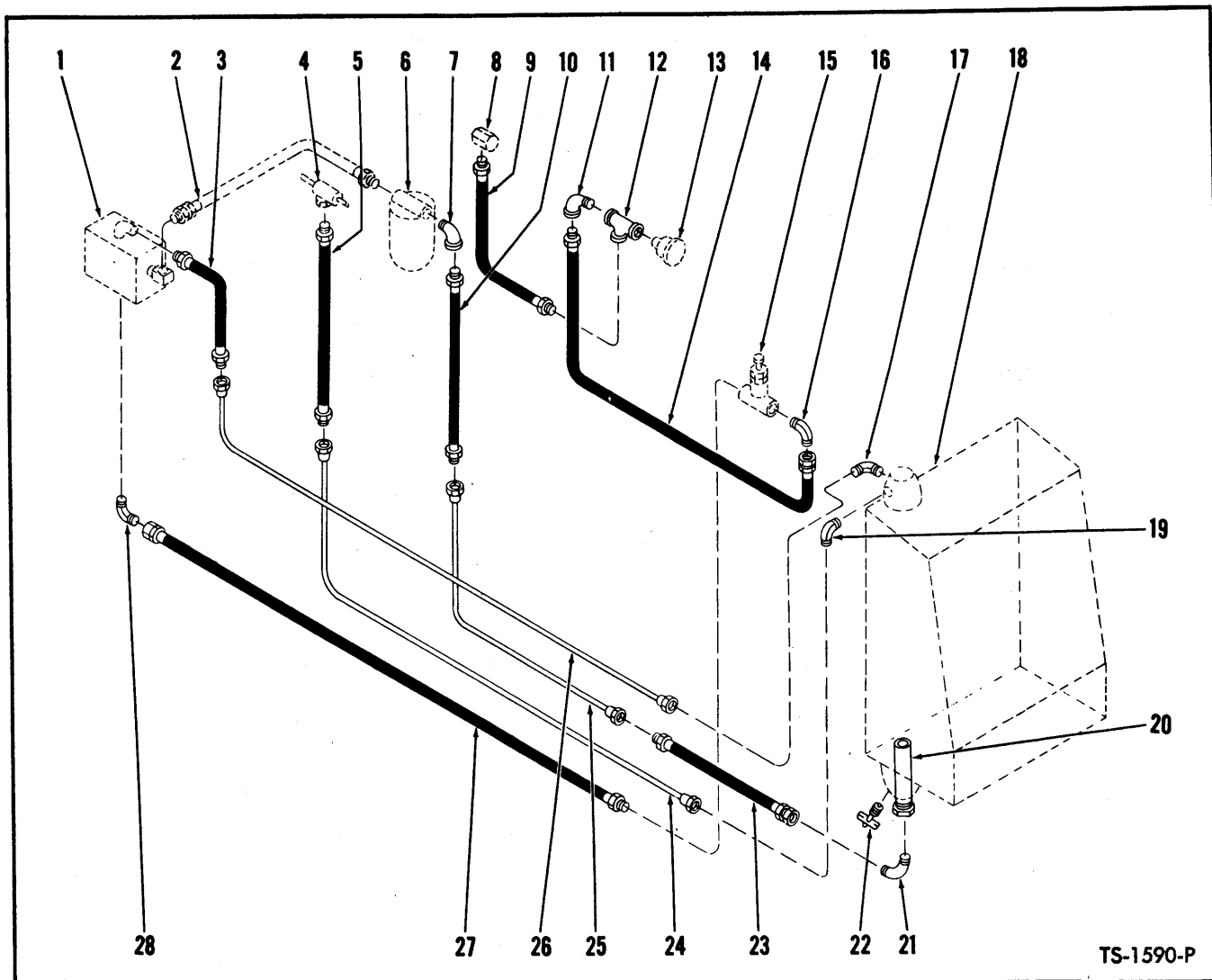
ACCELERATOR PEDAL AND LINKAGE — G.M.

TS-3032-P

ACCELERATOR PEDAL AND LINKAGE – G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	541875	CABLE, Engine Shut-Off	1	28	2J-4200	CLEVIS, Rod to Bell Crank	1
2	531905	PLATE, Emergency Cable	1	29	8D-04	NUT, Clevis Jam	1
3	541876	CABLE, Emergency Shut-Off	1	30	18D-06	NUT, Guide to Frame	1
4	623829	PEDAL, Accelerator	1	31	533487	GUIDE, Rod	1
5	1F-207	COTTER	1	32	1F-316	COTTER	1
6	4E-06	LKWSHR, Bell Crank to Flywheel Hsg.	2	33	551014	SPRING, Pedal Return	1
7	17C-612	BOLT, Bell Crank to Flywheel Hsg.....	2	34	2C-620	BOLT, Guide to Frame	1
8	1F-312	COTTER	1	35	623762	PIN, Pedal to Bracket	1
9	2J-5204	CLEVIS, Rod to Bell Crank	1	36	2C-410	BOLT, Bracket to Floorboard	2
10	4F-05062	PIN, Rod to Bell Crank Clevis	1	37	551015	BRACKET, Pedal Pivot	1
11	540940	BELL CRANK, Rear	1	38	18D-04	NUT, Bracket to Floorboard	2
12	8D-05	NUT, Clevis Jam	1	39	4F-04051	PIN, Rod to Bell Crank Clevis	1
13	540938	ROD, Bell Crank to Engine	1	40	1F-207	COTTER	1
14	2C-612	BOLT, Clip to Bracket	1	41	2J-4200	CLEVIS, Rod to Bell Crank	1
15	542000	BRACKET, Clip Mounting	1	42	18D-04	NUT, Bell Crank to Floorboard	1
16	6H-4	CLIP, Emergency Shut-Off Cable	1	43	550616	BELL CRANK, Front	1
17	18D-06	NUT, Clip to Bracket	1	44	540936	ROD, Bell Crank to Bell Crank	1
18	3G-1008	SCREW, Cable Connector	1	45	4F-04051	PIN, Rod to Bell Crank	1
19	535003	CONNECTOR, Cable	1	46	1F-207	COTTER	1
20	4F-05062	PIN, Rod to Engine	1	47	2C-410	BOLT, Bell Crank to Floorboard	1
21	1F-312	COTTER	1	48	18D-04	NUT, Stop to Floorboard	1
22	3G-1008	SCREW, Cable Connector	1	49	8D-04	NUT, Clevis Jam	1
23	351131	CONNECTOR, Cable	1	50	550619	ROD, Pedal to Bell Crank	1
24	1F-308	COTTER	1	51	551016	STOP, Pedal	1
25	6H-4	CLIP, Engine Shut-Off Cable	1	52	2C-448	BOLT, Stop & Bell Crank to Floorb'd..	1
26	1F-207	COTTER	1	53	4F-04051	PIN, Rod to Pedal	1
27	4F-04051	PIN, Rod to Bell Crank Clevis	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



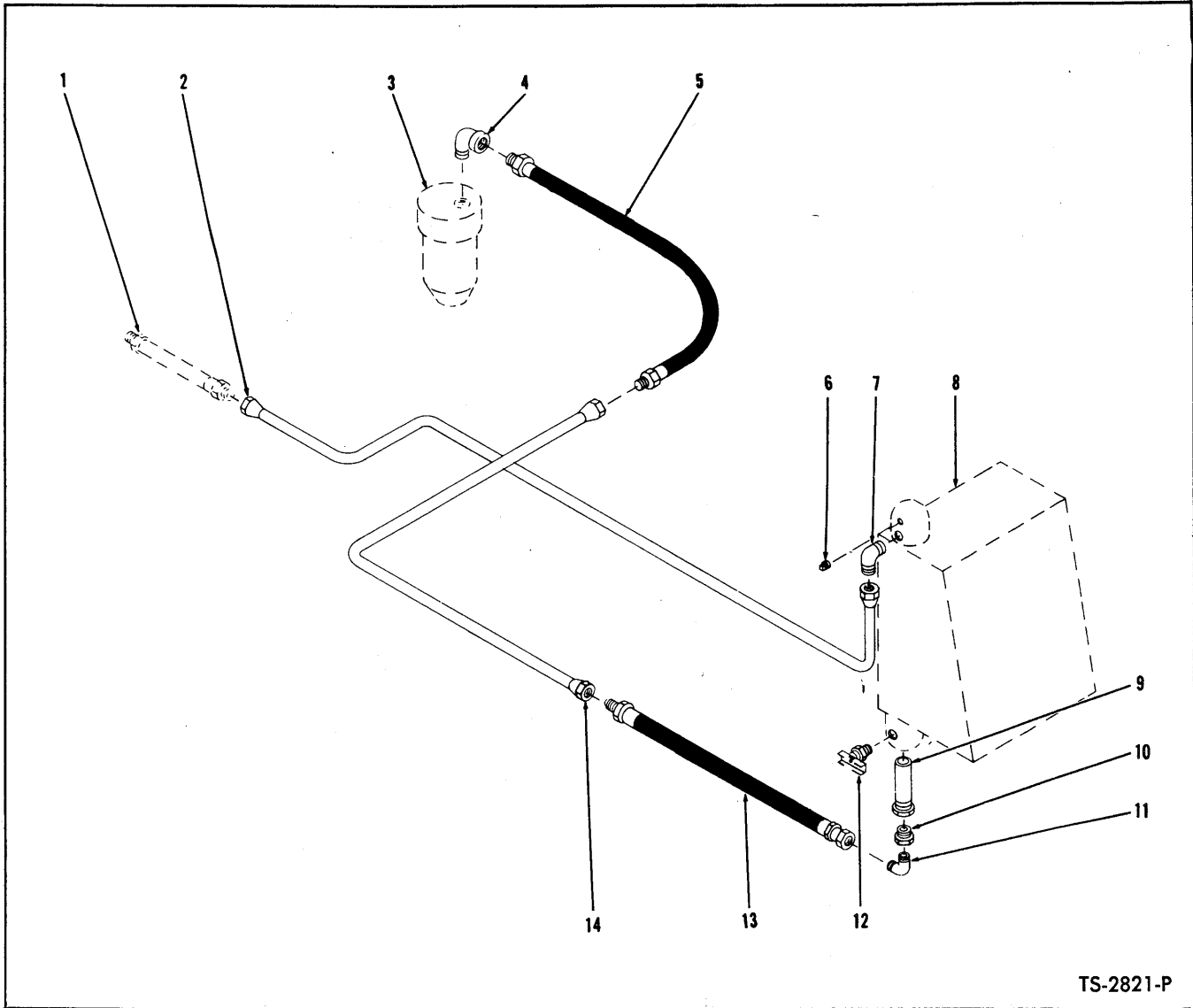
TS-1590-P

FUEL LINES – CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	----	*FUEL PUMP	—	15	----	*PUMP, Hand-Primer – Cummins 100046	—
2	----	*HOSE, Filter to Pump	—	16	42F-3	ELBOW, Hose to Hand Pump	1
3	524960	HOSE, Pump to Return Line – For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1	17	42F-6	ELBOW, Hose to Tank – For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1
4	----	*INJECTOR DRAIN MANIFOLD	—	17A	13F-06	†PLUG, For Serial 2LC115 thru 2LC999	1
5	524959	HOSE, Manifold to Return Line	1	18	----	FUEL TANK – See Index	—
6	----	*FUEL FILTER	—	19	42F-8	ELBOW, Line to Tank	1
7	519275	ADAPTER UNION, Hose to Filter (Inc. 7A)	1	20	522079	STANDPIPE, Fuel Tank	1
7A	91F-7	†O-RING, Adapter Union	1	21	42F-9	ELBOW, Hose to Standpipe	1
8	----	*PREHEATER NOZZLE	—	22	73F-1	DRAINCOCK, Radiator	1
9	522576	HOSE, Tee to Nozzle	1	23	520361	HOSE, Tank to Supply Line	1
10	516316	HOSE, Line to Filter	1	24	522572	LINE, Injector Return	1
11	30K-302	ELBOW, Hose to Tee	1	25	522574	LINE, Fuel Supply	1
12	18F-1	TEE, Preheater Gauge	1	26	522573	LINE, Pump Return – For Serial 2892 thru 2942, 2LC52 thru 2LC114 only	1
13	----	*PREHEATER GAUGE – Cummins 66735	—	27	522575	HOSE, Pump to Hand Pump	1
14	524961	HOSE, Hand Pump to Tee	1	28	42F-3	ELBOW, Hose to Pump	1

*NOTE: See Cummins Engine Parts Book. Your local Cummins Engine Distributor is equipped to service and supply these parts.
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



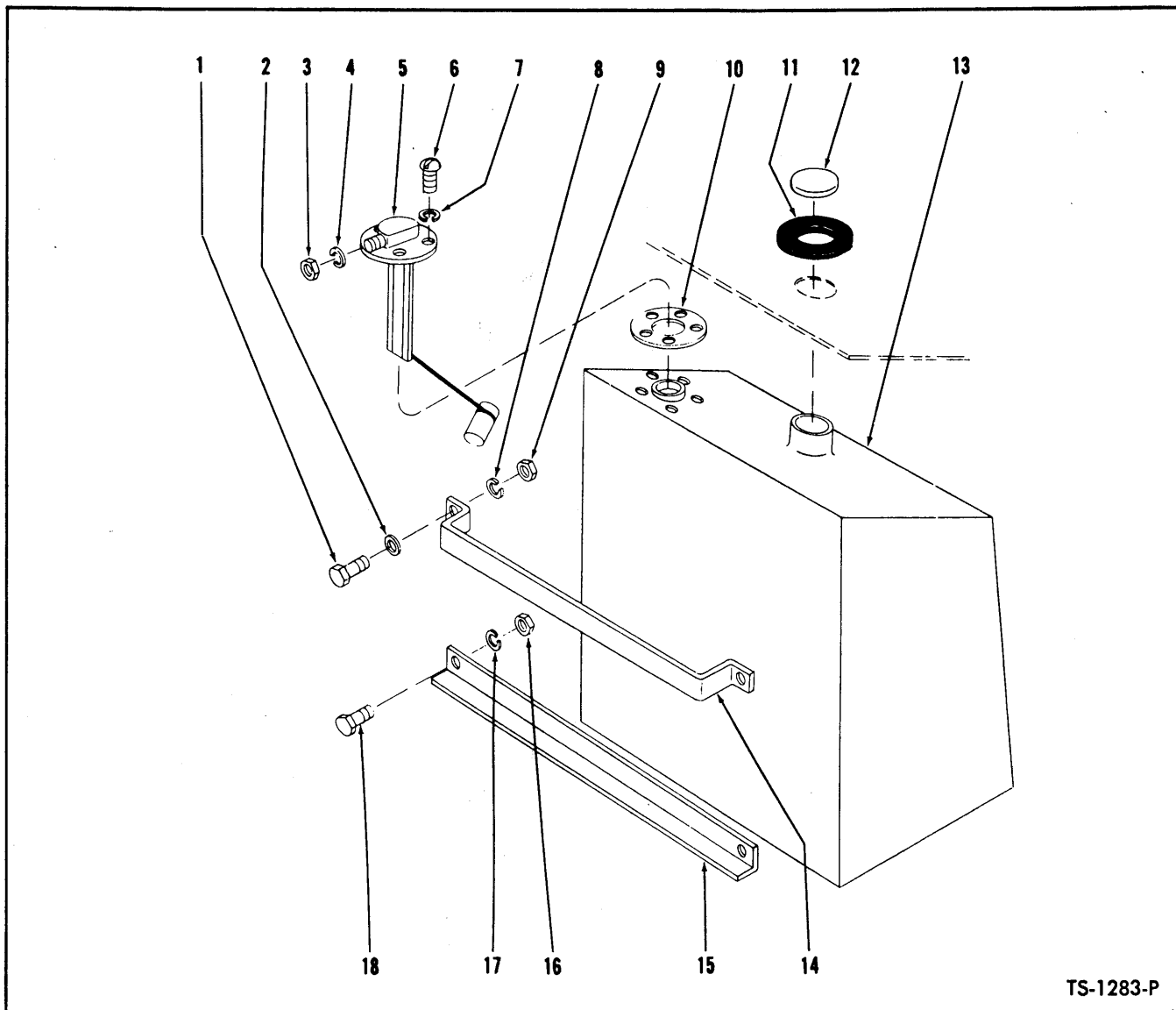
TS-2821-P

FUEL LINES – G.M.

Item No.	Part No.	Description	No. Req'd.
1	-----	*HOSE, Fuel Return	1
2	540899	LINE, Fuel Return	1
3	-----	*FUEL FILTER	1
4	30K-304	ELBOW, Hose to Filter	1
5	541724	HOSE, Fuel Line to Filter	1
6	13F-06	PLUG, Fuel Tank	1
7	42F-6	ELBOW, Line to Tank	1
8	-----	FUEL TANK – See Index	1
9	522079	STANDPIPE, Fuel Tank	1
10	356615	BUSHING, Elbow to Tank	1
11	42F-6	ELBOW, Hose to Tank	1
12	73F-1	DRAIN COCK	1
13	541836	HOSE, Fuel Line to Tank	1
14	541835	LINE, Fuel Intake	1

*Furnished with engine. See your local G.M. Distributor for service or replacement.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

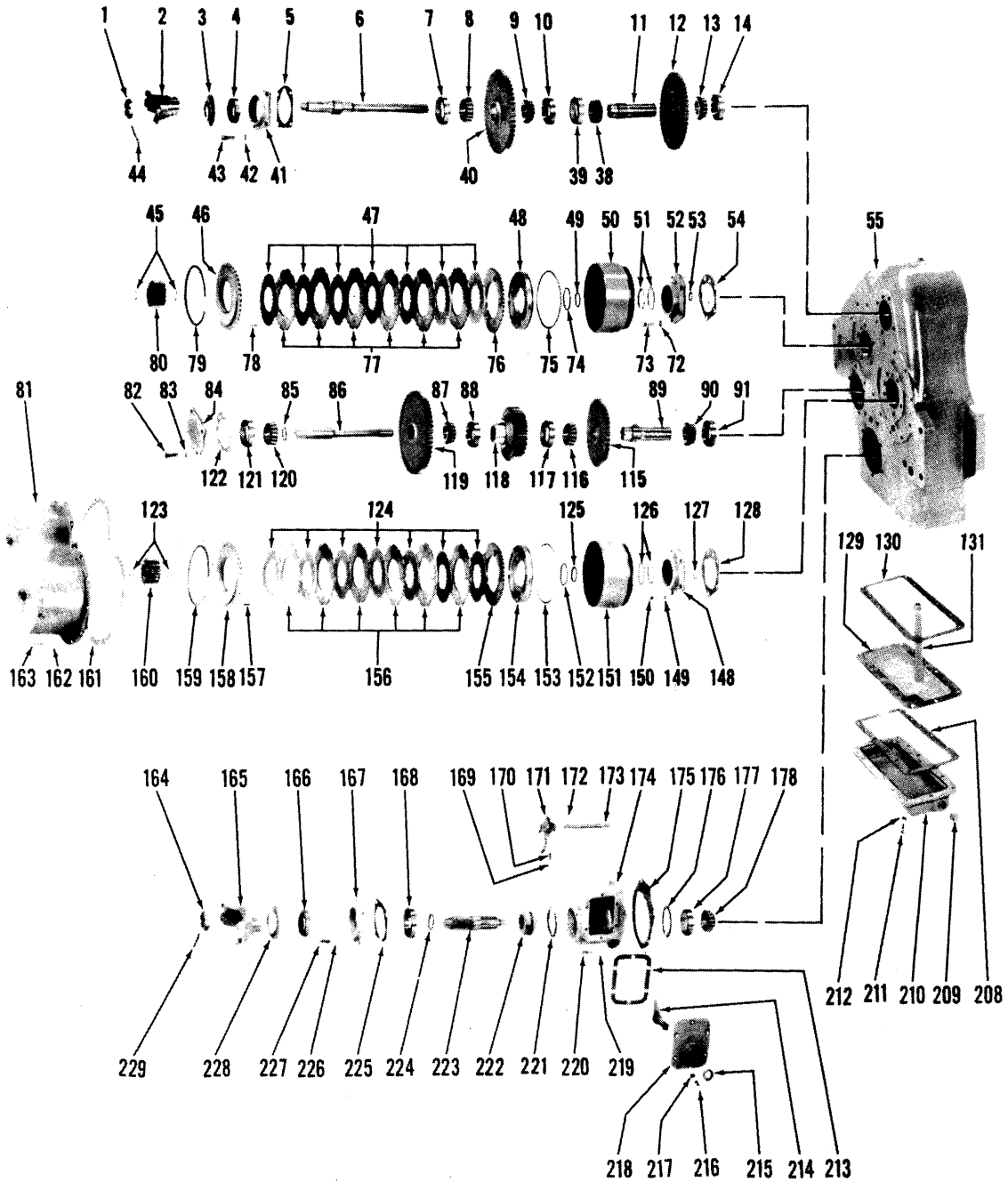


TS-1283-P

FUEL TANK

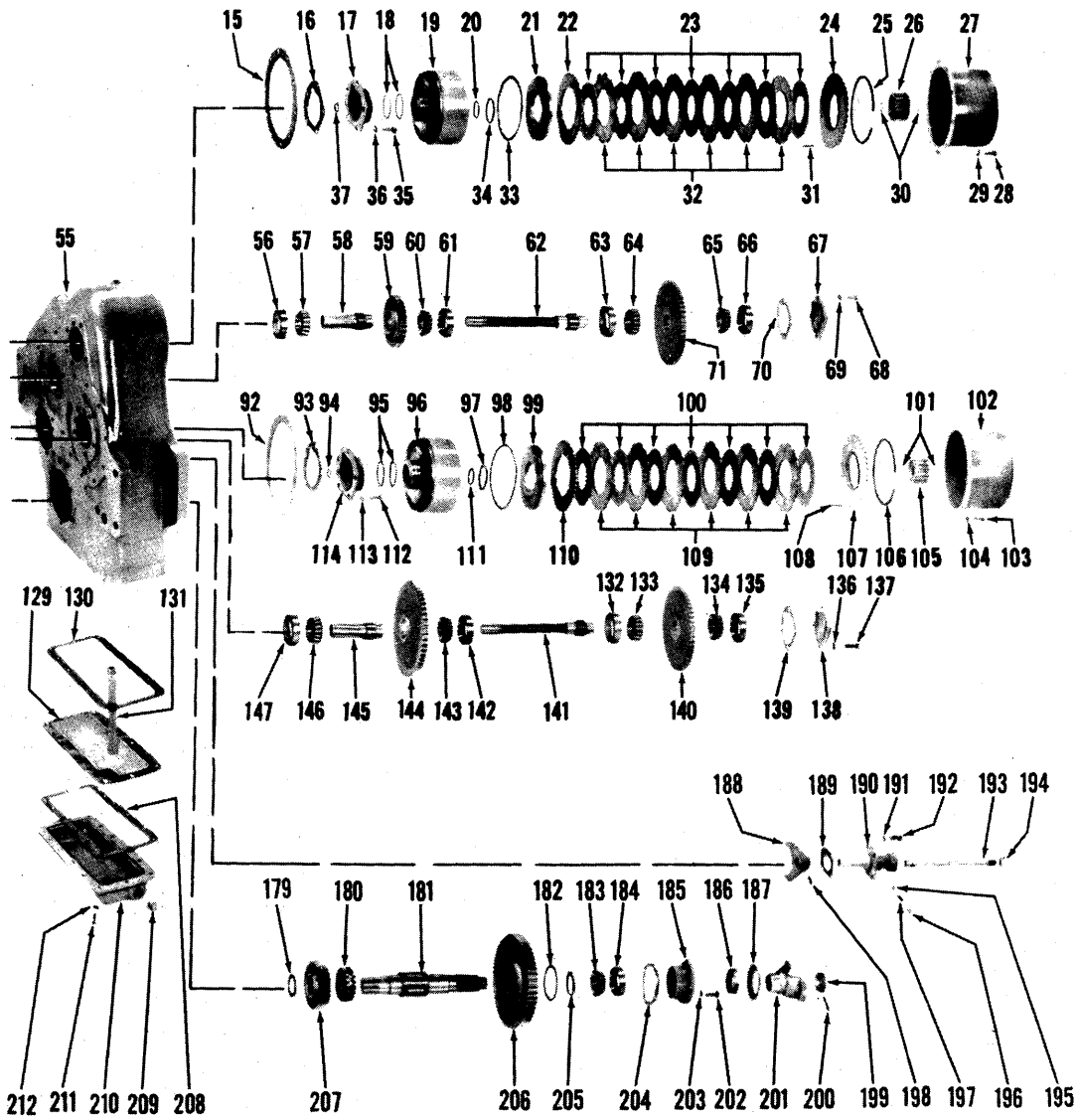
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		BOLT, Strap		10	627982	GASKET, Sender Unit	1
1A	2C-628	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2	11	525233	GROMMET, Fuel Tank Cap	1
1B	2C-636	For Serial: Cummins — 2LC62 thru 2LC999 G.M. — 2LG101 thru 2LG999	2	12	539837	CAP, Fuel Tank	1
2	25E-18	WASHER, Strap	2	13	525151	TANK, Fuel	1
3	14D-10	NUT, Sender Terminal	1	14	525234	STRAP, Fuel Tank	1
4	12E-10	LKWSHR, Sender Terminal	1	15	525232	ANGLE, Fuel Tank (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	1
5	947263	SENDER UNIT, Fuel Tank	1	16	2D-08	NUT, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2
6	3G-1008	SCREW, Sender Unit to Tank	5	17	4E-08	LKWSHR, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2
7	12E-10	LKWSHR, Sender Unit to Tank	5	18	2C-836	BOLT, Angle to Frame (For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 only)	2
8	4E-06	LKWSHR, Strap — for Cummins Powered Machines only	2				
9		NUT, Strap					
9A	2D-06	For Cummins Powered Machines	2				
9B	18D-06	For G.M. Powered Machines	2				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TRANSMISSION ASSEMBLY

TS-1615



TRANSMISSION ASSEMBLY

TS-1615

TRANSMISSION ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	280070	TRANSMISSION ASSY (Inc. 1 thru 230) — R-400FS-5	1	41	209619	CAP, Input Shaft Bearing	1
1	205928	NUT, Input Flange	1	42	4E-08	LKWSHR, Bearing Cap	4
2	209618	FLANGE ASSY, Input (Inc. 3)	1	43	1C-822	BOLT, Bearing Cap	4
3	101222	DEFLECTOR, Input Flange	1	44	1F-432	COTTER, Input Flange Nut	1
4	209623	SEAL, Input Shaft Oil	1	45	224104	RING, Clutch Disc Hub Retaining	2
5	209620	‡SHIM, Bearing Cap — .004	—	46	209672	PLATE, Clutch Disc End	1
5A	209621	‡SHIM, Bearing Cap — .007	—	47	209929	DISC, Clutch Inner	7
5B	209622	‡SHIM, Bearing Cap — .010	—	48	221513	PISTON, Clutch	1
6	220164	SHAFT, Input	1	49	224105	RING, Clutch Drum Hub Retaining	1
7	658998	CUP, Input Shaft Bearing	1	50	222408	DRUM ASSY, Clutch (Inc. 50A, 50B)	1
8	675230	CONE, Input Shaft Bearing	1	50A	222407	†HOUSING, Bleed Valve	1
9	675230	CONE, Input Shaft Bearing	1	50B	10J-06	†BALL, Bleed Valve	1
10	658998	CUP, Input Shaft Bearing	1	51	209673	RING, Hub Oil Seal	2
11	220163	SHAFT, Forward Gear Quill	1	52	220178	CAP, Clutch Bearing	1
12	209627	GEAR, Input Shaft Forward (54T)	1	53	25K-30016	"O" RING, Bearing Cap	1
13	731253	CONE, Input Shaft Bearing	1	54	209676	‡SHIM, Clutch Bearing Cap — .004	—
14	658998	CUP, Input Shaft Bearing	1	54A	209677	‡SHIM, Clutch Bearing Cap — .007	—
15	221400	GASKET, Clutch Cover	1	54B	209678	‡SHIM, Clutch Bearing Cap — .010	—
16	209676	‡SHIM, Clutch Bearing Cap — .004	—	54C	221207	‡SHIM, Clutch Bearing Cap — .020	—
16A	209677	‡SHIM, Clutch Bearing Cap — .007	—	55	220671	CASE, Transmission	1
16B	209678	‡SHIM, Clutch Bearing Cap — .010	—	56	658998	CUP, 1st & 3rd Shaft Bearing	1
16C	221207	‡SHIM, Clutch Bearing Cap — .020	—	57	731253	CONE, 1st & 3rd Shaft Bearing	1
17	220178	CAP, Clutch Bearing	1	58	220163	SHAFT, 1st & 3rd Quill	1
18	209673	RING, Hub Oil Seal	2	59	209628	GEAR, 1st & 3rd Drive (37T)	1
19	222408	DRUM ASSY, Clutch (Inc. 19A, 19B)	1	60	731253	CONE, 1st & 3rd Shaft Bearing	1
19A	222407	†HOUSING, Bleed Valve	1	61	658998	CUP, 1st & 3rd Shaft Bearing	1
19B	10J-06	†BALL, Bleed Valve	1	62	220162	SHAFT, 1st & 3rd Drive	1
20	224105	RING, Clutch Drum Hub Retaining	1	63	658998	CUP, 1st & 3rd Shaft Bearing	1
21	221513	PISTON, Clutch	1	64	675230	CONE, 1st & 3rd Shaft Bearing	1
22	221512	DISC, Clutch Outer	1	65	675230	CONE, 1st & 3rd Shaft Bearing	1
23	209929	DISC, Clutch Inner	7	66	658998	CUP, 1st & 3rd Shaft Bearing	1
24	209672	PLATE, Clutch Disc End	1	67	209613	CAP, 1st & 3rd Drive Shaft Bearing	1
25	223957	RING, End Plate Retaining	1	68	1C-822	BOLT, Bearing Cap	4
26	220179	HUB, Clutch Disc	1	69	4E-08	LKWSHR, Bearing Cap	4
27	209599	COVER, Clutch	1	70	209614	‡SHIM, Bearing Cap — .004	—
28	1C-614	BOLT, Clutch Cover	10	70A	209615	‡SHIM, Bearing Cap — .007	—
29	4E-06	LKWSHR, Clutch Cover	10	70B	209616	‡SHIM, Bearing Cap — .010	—
30	224104	RING, Clutch Disc Hub Retaining	2	71	209629	GEAR, 1st & 3rd Drop (55T)	1
31	220186	SPRING, Clutch Disc Release	12	72	7E-08	LKWSHR, Bearing Cap	5
32	209669	DISC, Clutch Outer	6	73	1C-822	BOLT, Bearing Cap	5
33	220185	SEAL, Clutch Piston Outer	1	74	209673	RING, Clutch Piston Inner Sealing	1
34	209673	RING, Clutch Piston Inner Sealing	1	75	220185	SEAL, Clutch Piston Outer	1
35	1C-822	BOLT, Bearing Cap	5	76	221512	DISC, Clutch Outer	1
36	7E-08	LKWSHR, Bearing Cap	5	77	209669	DISC, Clutch Outer	6
37	25K-30016	"O" RING, Bearing Cap	1	78	220186	SPRING, Clutch Disc Release	12
38	731253	CONE, Input Shaft Bearing	1	79	223957	RING, End Plate Retaining	1
39	658998	CUP, Input Shaft Bearing	1	80	220179	HUB, Clutch Disc	1
40	209626	GEAR, Input Shaft Reverse (57T)	1	81	209598	COVER, Clutch	1
				82	1C-824	BOLT, Bearing Cap	5

‡As Required
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.
83	4E-08	LKWSHR, Bearing Cap	5
84	209630	CAP, 2nd & 4th Bearing	1
85	224065	RING, 2nd & 4th High Gear Locating	1
86	220165	SHAFT, 2nd & 4th Drive	1
87	710789	CONE, 2nd & 4th Shaft Bearing	1
88	710788	CUP, 2nd & 4th Shaft Bearing	1
89	220163	SHAFT, 2nd & 4th Quill	1
90	731253	CONE, 2nd & 4th Shaft Bearing	1
91	658998	CUP, 2nd & 4th Shaft Bearing	1
92	221400	GASKET, Clutch Cover	1
93	209676	‡SHIM, Clutch Bearing Cap — .004	—
93A	209677	‡SHIM, Clutch Bearing Cap — .007	—
93B	209678	‡SHIM, Clutch Bearing Cap — .010	—
93C	221207	‡SHIM, Clutch Bearing Cap — .020	—
94	25K-30016	"O" RING, Bearing Cap	1
95	209673	RING, Hub Oil Seal	2
96	222408	DRUM ASSY, Clutch (Inc. 96A, 96B)....	1
96A	222407	†HOUSING, Bleed Valve	1
96B	10J-06	†BALL, Bleed Valve	1
97	209673	RING, Clutch Piston Inner Sealing	1
98	220185	SEAL, Clutch Piston Outer	1
99	221513	PISTON, Clutch	1
100	209929	DISC, Clutch Inner	7
101	224104	RING, Clutch Disc Hub Retaining	2
102	209599	COVER, Clutch	1
103	1C-614	BOLT, Clutch Cover	10
104	4E-06	LKWSHR, Clutch Cover	10
105	220179	HUB, Clutch Disc	1
106	223957	RING, End Plate Retaining	1
107	209672	PLATE, Clutch Disc End	1
108	220186	SPRING, Clutch Disc Release	12
109	209669	DISC, Clutch Outer	6
110	221512	DISC, Clutch Outer	1
111	224105	RING, Hub Retaining	1
112	1C-822	BOLT, Clutch Bearing Cap	5
113	7E-08	LKWSHR, Clutch Bearing Cap	5
114	220178	CAP, Clutch Bearing	1
115	209627	GEAR, 2nd & 4th Drive (54T)	1
116	731253	CONE, 2nd & 4th Shaft Bearing	1
117	658998	CUP, 2nd & 4th Shaft Bearing	1
118	209636	GEAR, 2nd & 4th Low Drive (40T)	1
119	209635	GEAR, 2nd & 4th Drive Shaft Hi. (73T)	1
120	658982	CONE, 2nd & 4th Shaft Bearing	1
121	658997	CUP, 2nd & 4th Shaft Bearing	1
122	209631	‡SHIM, 2nd & 4th Bearing Cap — .004	—
122A	209632	‡SHIM, 2nd & 4th Bearing Cap — .007	—
122B	209633	‡SHIM, 2nd & 4th Bearing Cap — .010	—
123	224104	RING, Clutch Disc Hub Retaining	2
124	209929	DISC, Clutch Inner	7

Item No.	Part No.	Description	No. Req'd.
125	224105	RING, Hub Retaining	1
126	209673	RING, Hub Oil Seal	2
127	25K-30016	"O" RING, Bearing Cap	1
128	209676	‡SHIM, Clutch Bearing Cap — .004	—
128A	209677	‡SHIM, Clutch Bearing Cap — .007	—
128B	209678	‡SHIM, Clutch Bearing Cap — .010	—
128C	221207	‡SHIM, Clutch Bearing Cap — .020	—
129	220669	SCREEN, Sump	1
129A	525293	†MAGNET, Sump Screen	1
129B	223780	†SPRING, Magnet Retaining	1
130	209353	GASKET, Oil Pan	1
131	220673	PIPE, Oil Suction	1
132	658998	CUP, Reverse Shaft Bearing	1
133	675230	CONE, Reverse Shaft Bearing	1
134	675230	CONE, Reverse Shaft Bearing	1
135	658998	CUP, Reverse Shaft Bearing	1
136	4E-08	LKWSHR, Reverse Bearing Cap	4
137	1C-822	BOLT, Reverse Bearing Cap	4
138	209613	CAP, Reverse Bearing	1
139	209614	‡SHIM, Reverse Bearing Cap — .004	—
139A	209615	‡SHIM, Reverse Bearing Cap — .007	—
139B	209616	‡SHIM, Reverse Bearing Cap — .010	—
140	209612	GEAR, Reverse Idler (52T)	1
141	220162	SHAFT, Reverse	1
142	658998	CUP, Reverse Shaft Bearing	1
143	731253	CONE, Reverse Shaft Bearing	1
144	209627	GEAR, Reverse Shaft Drive (54T)	1
145	220163	SHAFT, Reverse Quill	1
146	731253	CONE, Reverse Shaft Bearing	1
147	658998	CUP, Reverse Shaft Bearing	1
148	220178	CAP, Clutch Bearing	1
149	7E-08	LKWSHR, Clutch Bearing Cap	5
150	1C-822	BOLT, Clutch Bearing Cap	5
151	222408	DRUM ASSY, Clutch	1
151A	222407	†HOUSING, Bleed Valve	1
151B	10J-06	†BALL, Bleed Valve	1
152	209673	RING, Clutch Piston Inner Sealing	1
153	220185	SEAL, Clutch Piston Outer	1
154	221513	PISTON, Clutch	1
155	221512	DISC, Clutch Outer	1
156	209669	DISC, Clutch Outer	6
157	220186	SPRING, Clutch Disc Release	12
158	209672	PLATE, Clutch Disc End	1
159	223957	RING, End Plate Retaining	1
160	220179	HUB, Clutch Disc	1
161	209607	GASKET, Clutch Cover	1
162	4E-06	LKWSHR, Clutch Cover	16
163	1C-614	BOLT, Clutch Cover	16
164	201262	NUT, Output Shaft Flange	1

‡As Required

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

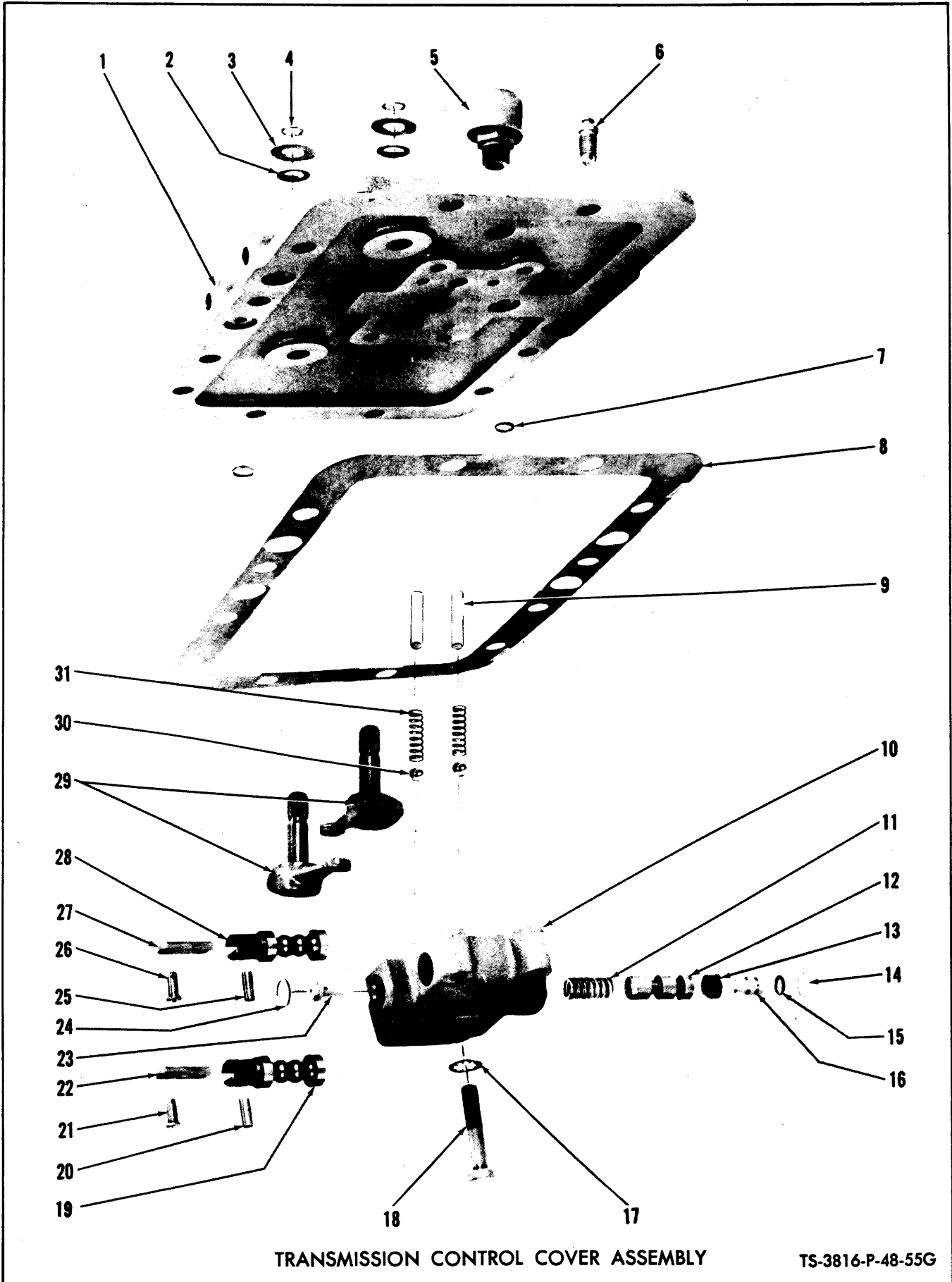
TRANSMISSION ASSEMBLY (Continued)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
165	209638	FLANGE ASSY, Output (Inc. 228)	1	204B	209707	‡SHIM, Bearing Cap — .010	—
166	209623	SEAL, Flange Oil	1	205	200235	WASHER, Output Shaft Thrust	1
167	209654	CAP, Output Shaft Bearing	1	206	800667	GEAR, Output Shaft Low (Inc. 182, 206A) (69T)	1
168	713998	BEARING, Output Shaft	1	206A	209647	†BUSHING, Low Gear	1
169	10J-14	BALL, Mesh Lock	1	207	220168	GEAR, Output Shaft High (Inc. 207A) (37T)	1
170	201413	SPRING, Mesh Lock	1	207A	220171	†BUSHING, High Gear	1
171	220177	FORK, Rear Output Shaft Shift	1	208	209353	GASKET, Oil Pan	1
172	201929	PLATE, Shift Shaft Lock	1	209	201120	PLUG, Drain — Magnetic	1
173	209661	SHAFT, Rear Output Shaft Shift	1	210	215644	PAN, Oil	1
174	209656	HOUSING, Rear Output Shaft	1	211	1C-616	BOLT, Oil Pan	14
175	209657	SHIM, Rear Output Shaft Housing	1	212	4E-06	LKWSHR, Oil Pan	14
176	223885	RING, Output Shaft Brg. Retaining	1	213	209659	GASKET, Rear Output Housing Cover	1
177	658998	CUP, Output Shaft Bearing	1	214	209726	ARM, Shift Lever	1
178	731253	CONE, Output Shaft Bearing	1	215	200133	SEAL, Shift Lever Arm Oil	1
179	220172	WASHER, Output Shaft High Gear Retaining	1	216	1C-618	BOLT, Housing Cover	6
180	220166	HUB, Work & Travel Range Shift	1	217	4E-06	LKWSHR, Housing Cover	6
181	220173	SHAFT, Output (Inc. Bushing)	1	218	209658	COVER, Rear Output Shaft Housing	1
182	209708	RING, Low Gear Oil	1	219	4E-08	LKWSHR, Rear Output Shaft Housing	7
183	675229	CONE, Output Shaft Bearing	1	220	1C-822	BOLT, Rear Output Shaft Housing	7
184	658998	CUP, Output Shaft Bearing	1	221	223856	RING, Bearing Locating	1
185	209704	CAP, Output Shaft Bearing	1	222	220176	HUB, Rear Output Shaft Shift	1
186	209623	SEAL, Output Shaft Front Oil	1	223	220175	SHAFT, Rear Output	1
187	101222	DEFLECTOR, Output Flange	1	224	224075	RING, Rear Output Shaft Locating	1
188	220167	FORK, High & Low Shift	1	225	209655	GASKET, Bearing Cap	1
189	209406	GASKET, Shift Shaft Support	1	226	4E-08	LKWSHR, Bearing Cap	4
190	209405	SUPPORT, Shift Shaft	1	227	1C-822	BOLT, Bearing Cap	4
191	4E-06	LKWSHR, Shift Shaft Support	4	228	101222	DEFLECTOR, Output Flange	1
192	1C-616	BOLT, Shift Shaft Support	4	229	1F-440	COTTER, Flange Nut	1
193	209641	SHAFT, High & Low Shift	1	230	207024	††WASHER, Shift Stop	—
194	208871	SEAL, Shift Shaft Support Oil	1	231	223885	†RING, Reverse & Input Brg. Locating	4
195	10J-12	BALL, Mesh Lock	1	TRANSMISSION MOUNTING PARTS			
196	40K-04	PLUG, Mesh Lock	1	232	540518	*†MOUNT, Transmission — R.H.	1
197	201844	SPRING, Mesh Lock	1	233	588153	*†MOUNT, Transmission — L.H.	1
198	201566	SCREW, Fork Lock	1	234	18C-1456	†BOLT, Transmission to Mount	8
199	201262	NUT, Output Shaft Flange	1	235	18D-14	†NUT, Transmission to Mount	8
200	1F-440	COTTER, Flange Nut	1	236	18C-1044	†BOLT, Mount to Frame	4
201	209638	FLANGE ASSY, Output (Inc. 187)	1	237	68D-10	†NUT, Mount to Frame	8
202	1C-822	BOLT, Bearing Cap	4	238	525293	†MAGNET, Oil Sump Screen	1
203	4E-08	LKWSHR, Bearing Cap	4	239	516955	†SPRING, Magnet Retaining	1
204	209705	‡SHIM, Bearing Cap — .004	—				
204A	209706	‡SHIM, Bearing Cap — .007	—				

‡As Required
†Not Illustrated

*NOTE: When installing 540518 R.H. or 588153 L.H. on Machine Serial 2892 thru 2942, 2LC52 thru 2LC156, both items 232 and 233 must be changed at the same time.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TRANSMISSION CONTROL COVER ASSEMBLY

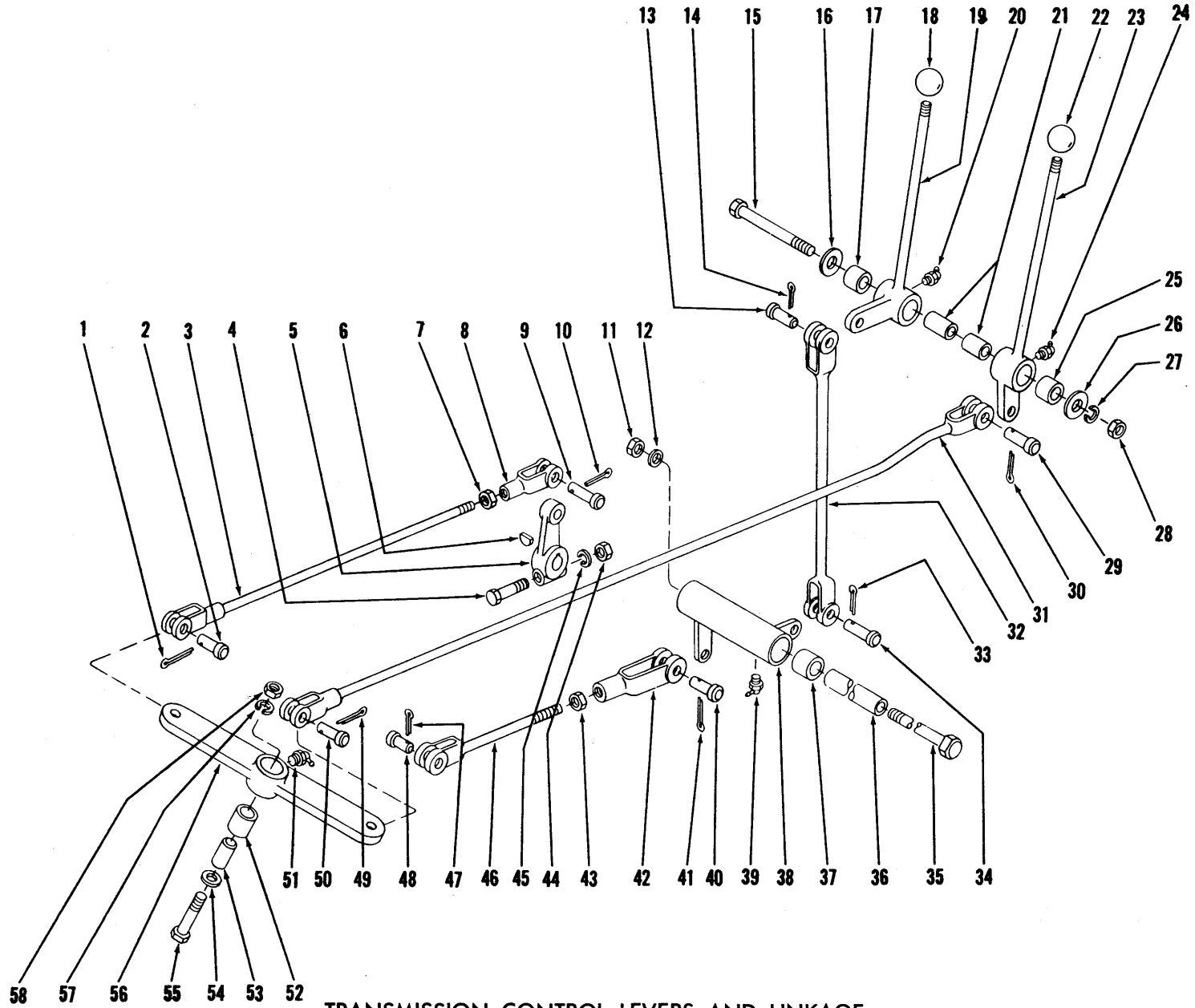
TS-3816-P-48-55G

TRANSMISSION CONTROL COVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.
A	800660	COVER ASSY, Control (Inc. 1 thru 31, 34)	1
B	227968	VALVE ASSY, Selector Control (Inc. 10 thru 16, 19, 20, 22, 23, 24, 25, 27, 28)	1
1	209662	COVER, Control	1
2	208812	SEAL, Selector Arm Oil	2
3	25E-21	WASHER, Oil Seal Retaining	2
4	25K-30016	"O" RING, Oil Seal Washer Retaining	2
5	104942	BREATHER, Control Cover	1
6	208805	VALVE, Brake Bleeder	1
7	25K-30016	"O" RING, Control Cover Oil Passage	5
8	209663	GASKET, Cover to Transmission Case	1
9	209874	STOP, Selector Valve Detent Spring	2
10	209380	HOUSING, Selector Valve	1
11	220363	SPRING, Shutoff Valve	1
12	208815	VALVE, Selector Shutoff	1
13	227874	CUP, Shutoff Valve Sealing	1
14	223944	RING, Shutoff Valve Stop Retaining	1
15	25K-30014	"O" RING, Shutoff Valve Stop	1
16	209878	STOP, Shutoff Valve	1
17	6E-06	LKWSHR, Valve to Cover	4
18	1C-626	BOLT, Valve to Cover	4
19	-----	§ VALVE, Selector - See "B"	1
20	208809	PIN, Selector Valve Link	1
21	208810	PIN, Selector Valve Link Clevis	1
21A	1F-208	† COTTER, Clevis Pin	1
22	209382	LINK, Selector Valve	1
23	227873	GUIDE, Shutoff Valve Spring	1
24	223944	RING, Spring Guide Retaining	1
25	208809	PIN, Selector Valve Link	1
26	208810	PIN, Selector Valve Link Clevis	1
26A	1F-208	† COTTER, Clevis Pin	1
27	209382	LINK, Selector Valve	1
28	-----	§ VALVE, Selector - See "B"	1
29	209690	ARM, Selector	2
30	10J-12	BALL, Selector Valve Detent	2
31	203647	SPRING, Selector Valve Detent	2
32	1C-718	† BOLT, Cover to Case	11
33	4E-07	† LKWSHR, Cover to Case	11
34	40K-02	† PLUG, Control Cover Oil Passage	5

† Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TRANSMISSION CONTROL LEVERS AND LINKAGE

TS-1188-P

34

(2E8)

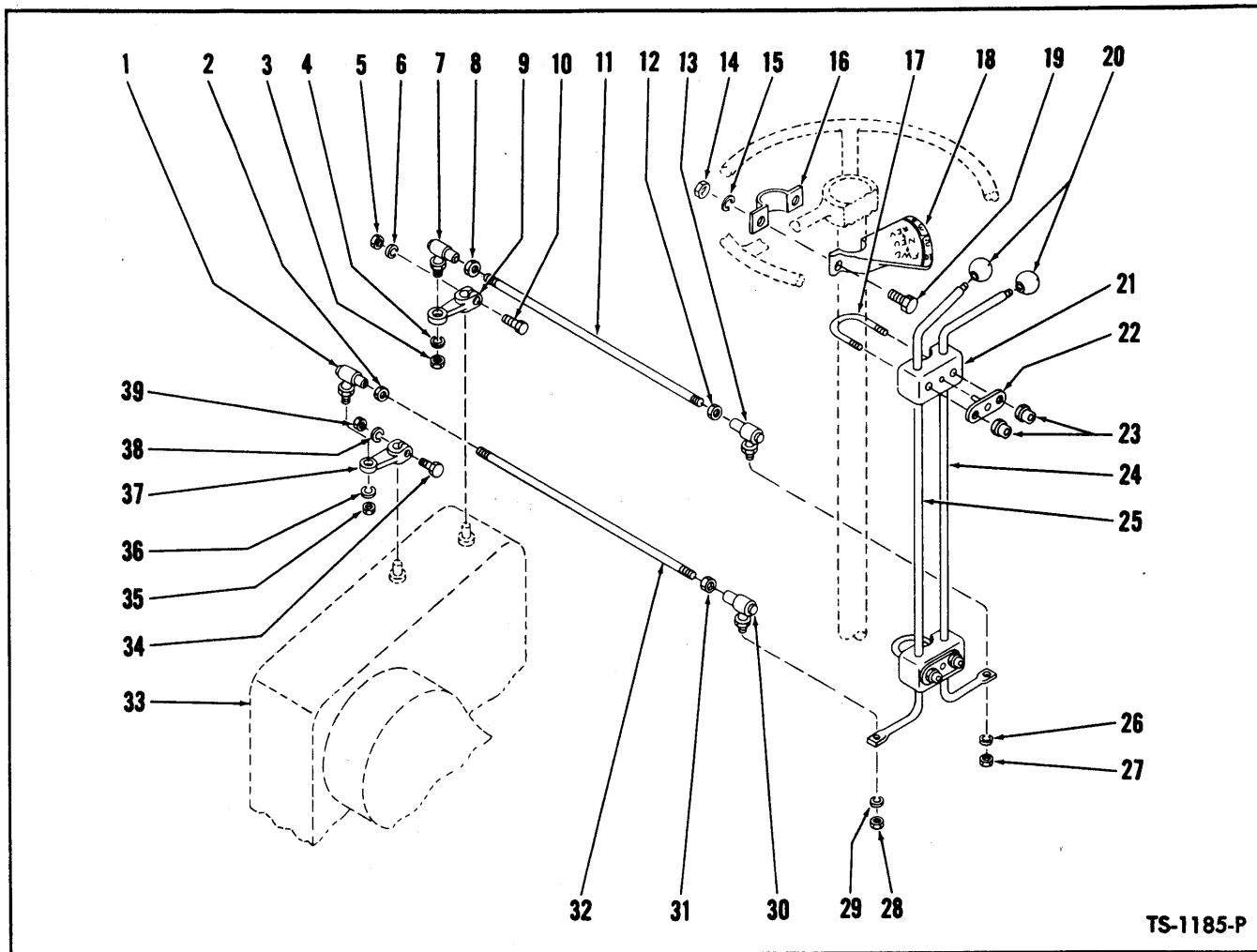
PM 1692



TRANSMISSION CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	1F-414	COTTER, Clevis Pin	1	30	1F-414	COTTER, Clevis Pin	1
2	4F-08127	PIN, Rod to Transmission	1	31	525673	ROD, 4 Wheel Drive Shift — Upper	1
3	525670	ROD, 4 Wheel Drive Shift — Lower	1	32	551413	ROD, Range Shift — Upper	1
4	2C-628	BOLT, Lever Clamp	1	33	1F-414	COTTER, Clevis Pin	1
5	551410	LEVER, Rod to Transmission	1	34	4F-08127	PIN, Rod to Bell Crank	1
6	5J-606	KEY, Lever	1	35	14C-10154	BOLT, Bell Crank Mounting	1
7	8D-08	NUT, Clevis Jam	1	36	551277	SLEEVE, Bell Crank Mounting	1
8	2J-8300	CLEVIS, Rod to Lever	1	37	526767	BUSHING, Bell Crank	2
9	4F-08127	PIN, Clevis to Lever	1	38	551275	BELL CRANK	1
10	1F-414	COTTER, Clevis Pin	1	39	12H-15	FITTING, Bell Crank Grease	1
11	2D-10	NUT, Bell Crank Mounting	1	40	4F-08127	PIN, Clevis to Bell Crank	1
12	4E-10	LKWSHR, Bell Crank Mounting	1	41	1F-414	COTTER, Clevis Pin	1
13	4F-08127	PIN, Rod to Lever	1	42	2J-8300	CLEVIS, Rod to Bell Crank	1
14	1F-414	COTTER, Clevis Pin	1	43	8D-08	NUT, Clevis Jam	1
15	2C-868	BOLT, Lever Mounting	1	44	2D-06	NUT, Lever Clamp	1
16	616796	WASHER, Lever Mounting	1	45	4E-06	LKWSHR, Lever Clamp	1
17	526767	BUSHING, Range Lever	1	46	518697	ROD, Range Shift — Lower	1
18	509772	KNOB, Range Lever	1	47	1F-310	COTTER, Clevis Pin	1
19	550677	LEVER, Range	1	48	4F-06106	PIN, Rod to Transmission	1
20	12H-15	FITTING, Range Lever Grease	1	49	1F-414	COTTER, Clevis Pin	1
21	550646	SLEEVE, Lever Mounting	2	50	4F-08127	PIN, Rod to Bell Crank	1
22	509772	KNOB, 4 Wheel Drive Lever	1	51	12H-15	FITTING, Bell Crank Grease	1
23	550685	LEVER, 4 Wheel Drive Shift	1	52	526767	BUSHING, Bell Crank	1
24	12H-15	FITTING, 4 Wheel Drive Lever Grease	1	53	550646	SLEEVE, Bell Crank Mounting	1
25	526767	BUSHING, 4 Wheel Drive Lever	1	54	616796	WASHER, Bell Crank Mounting	1
26	616796	WASHER, Lever Mounting	1	55	2C-844	BOLT, Bell Crank Mounting	1
27	4E-08	LKWSHR, Lever Mounting	1	56	551278	BELL CRANK	1
28	2D-08	NUT, Lever Mounting	1	57	4E-08	LKWSHR, Bell Crank Mounting	1
29	4F-08127	PIN, Rod to Lever	1	58	2D-08	NUT, Bell Crank Mounting	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

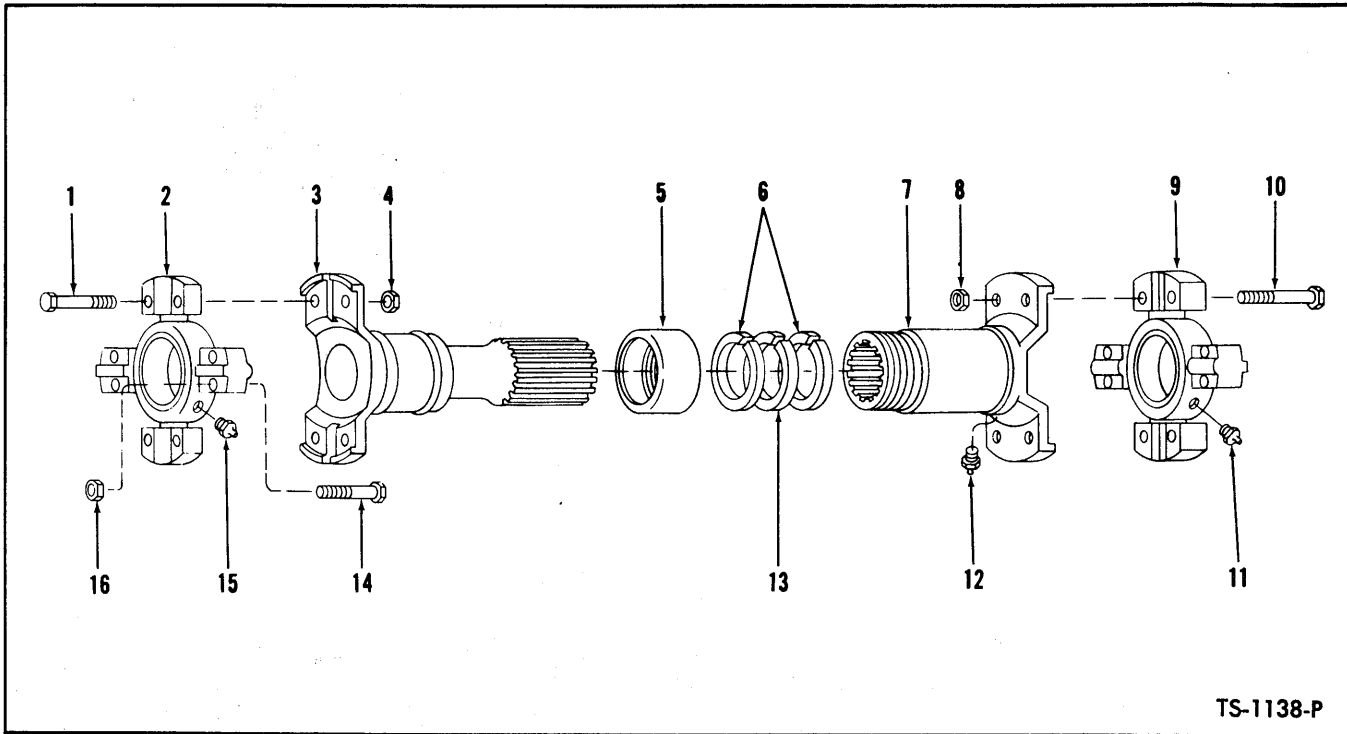


GEAR SHIFT LEVERS AND LINKAGE
High and Low, Forward and Reverse

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	519793	BALL SOCKET, Rod to Lever	1	21	1508845	SUPPORT, Shift Lever	2
2	8D-06	NUT, Ball Socket Jam	1	22	550669	PLATE, Shift Lever Support	2
3	8D-06	NUT, Ball Socket to Lever	1	23	18D-05	NUT, U-Bolt	4
4	4E-06	LKWSHR, Ball Socket to Lever	1	24	550667	LEVER, High & Low Shift	1
5	2D-04	NUT, Lever Clamp	1	25	550663	LEVER, Forward & Reverse Shift	1
6	4E-04	LKWSHR, Lever Clamp	1	26	4E-06	LKWSHR, Ball Socket to Lever	1
7	519793	BALL SOCKET, Rod to Lever	1	27	8D-06	NUT, Ball Socket to Lever	1
8	8D-06	NUT, Ball Socket Jam	1	28	8D-06	NUT, Ball Socket to Lever	1
9	550803	LEVER, Transmission	1	29	4E-06	LKWSHR, Ball Socket to Lever	1
10	2C-424	BOLT, Lever Clamp	1	30	519793	BALL SOCKET, Rod to Lever	1
11	551412	ROD, High & Low Shift	1	31	8D-06	NUT, Ball Socket Jam	1
12	8D-06	NUT, Ball Socket Jam	1	32	527768	ROD, Forward & Reverse Shift	1
13	519793	BALL SOCKET, Rod to Shift Lever	1	33	---	TRANSMISSION - See Index	---
14	2D-04	NUT, Shift Quadrant	2	34	2C-424	BOLT, Lever Clamp	1
15	4E-04	LKWSHR, Shift Quadrant	2	35	8D-06	NUT, Ball Socket to Lever	1
16	524243	CLAMP, Shift Quadrant	1	36	4E-06	LKWSHR, Ball Socket to Lever	1
17	550672	U-BOLT, Shift Levers	2	37	550803	LEVER, Transmission	1
18	525271	QUADRANT, Shift Indicator	1	38	4E-04	LKWSHR, Lever Clamp	1
19	2C-412	BOLT, Shift Quadrant	2	39	2D-04	NUT, Lever Clamp	1
20	509772	KNOB, Shift Levers	2				

*NOTE: When 1508845 Nylon Support is installed in place of rubber supports, 550669 Plate item 22 is not required.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-1138-P

PROPELLER SHAFT ASSEMBLY

Column 1 – Transmission to Rear Axle

Column 2 – Transmission to Front Axle

Column 3 – Converter to Transmission – For Cummins Powered Machines

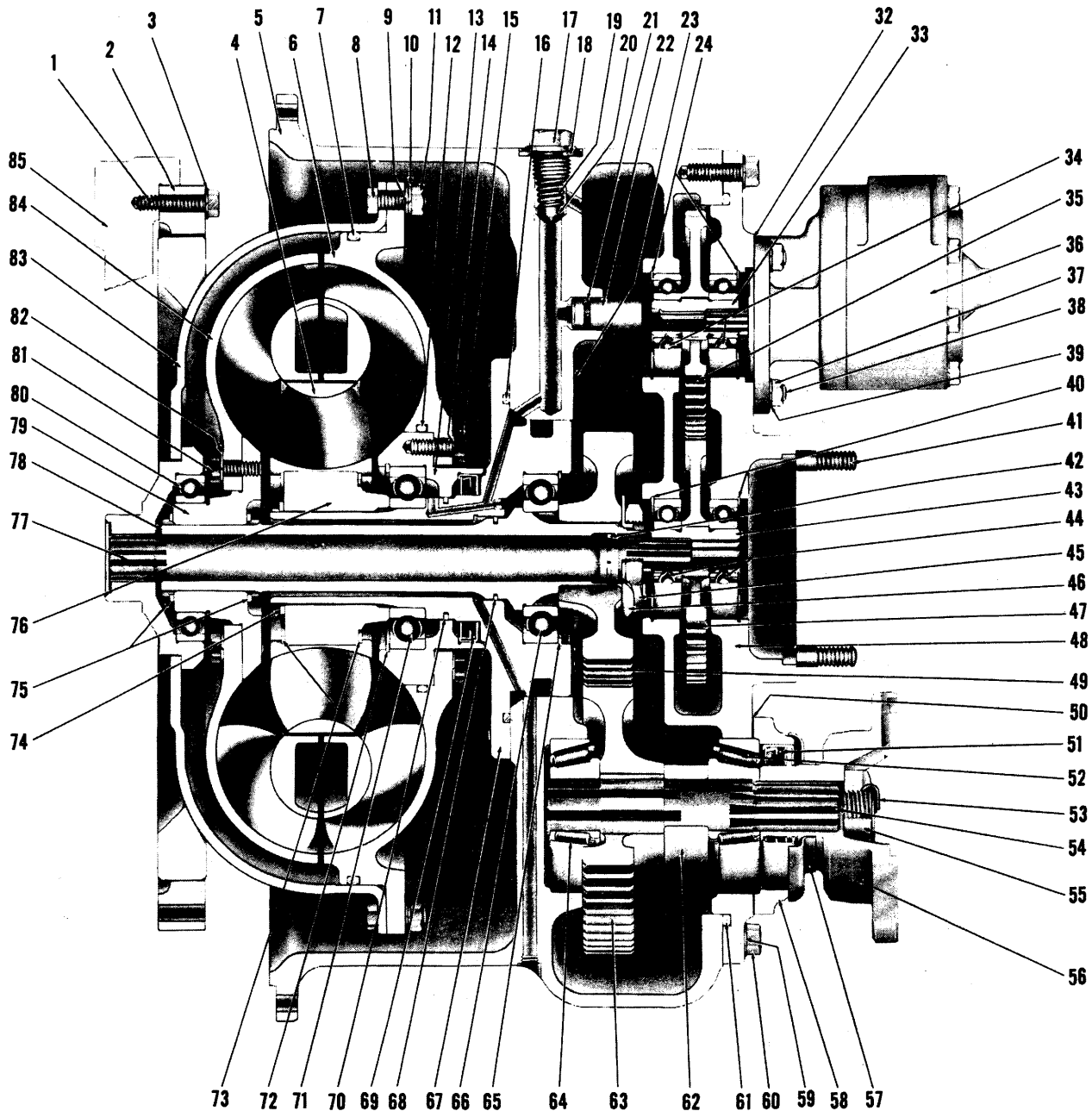
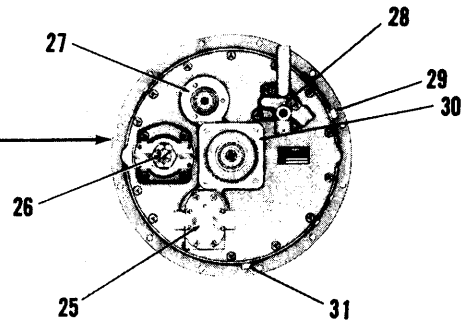
Column 4 – Converter to Transmission – For G.M. Powered Machines

Item No.	Description	No. Req'd.	Column 1	Column 2	Column 3	Column 4
A	PROPELLER SHAFT ASSY (Inc. 1 thru 16)	1	553581	940547	512819	540680
1	BOLT, Spider & Bearing to Tube	4	940229	940229	940089	940089
2	SPIDER & BEARING	1	941573	941573	944862	944862
3	TUBE	1	943248	943156	944112	944719
4	NUT, Spider & Bearing to Tube	4	8D-08	8D-08	8D-06	8D-06
5	RETAINER, Felt	1	940256	940256	940090	940090
6	WASHER, Felt Retainer	2	940257	940257	940091	940091
7	SLIP YOKE	1	940227	940226	940224	940224
8	NUT, Spider & Bearing to Slip Yoke	4	8D-08	8D-08	8D-06	8D-06
9	SPIDER & BEARING	1	941573	941573	944862	944862
10	BOLT, Spider & Bearing to Slip Yoke	4	940229	940229	940089	940089
11	FITTING, Spider Grease	1	10H-35	10H-35	10H-35	10H-35
12	FITTING, Slip Yoke Grease	1	10H-25	10H-25	10H-25	10H-25
13	WASHER, Felt	1	940259	940259	940092	940092
14	BOLT, Spider & Bearing Attaching	8	940229	940229	940089	940089
15	FITTING, Spider Grease	1	10H-35	10H-35	10H-35	10H-35
16	NUT, Spider & Bearing Attaching	8	8D-08	8D-08	8D-06	8D-06

†Not illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

REAR VIEW OF CONVERTER



TORQUE CONVERTER ASSEMBLY

TS-1171-P

TORQUE CONVERTER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	281775	CONVERTER ASSY (C-404-7) (Inc. 2, 4 thru 85)	1	47	220984	GEAR, Oil Pump Drive (57T)	1
1	224797	BOLT, Flywheel Ring	12	48	220973	COVER, Converter Housing	1
2	226595	GEAR, Flywheel Ring	1	48B	220979	DOWEL, Cover to Housing	2
3	619021	WASHER, Ring Gear to Flywheel Bolt	12	49	216680	*GEAR, Main Drive (40T)	1
4	801055	REACTION MEMBER ASSY (Inc. 73, 76)	1	50	209589	‡SHIM, Bearing Cap — .004	—
5	223663	HOUSING ASSY, Converter (Inc. 5A)	1	50A	209590	‡SHIM, Bearing Cap — .007	—
5A	208788	†SEAT, Relief Ball	1	50B	209591	‡SHIM, Bearing Cap — .010	—
6	209542	IMPELLER	1	51	209587	SEAL, Output Shaft Oil	1
7	224207	"O" RING, Drive Disc to Impeller	1	52	675543	CUP, Output Shaft Bearing	1
8	2C-618	BOLT, Drive Disc to Impeller	30	52A	658981	CONE, Output Shaft Bearing	1
9	619023	WASHER, Drive Disc to Impeller	30	53	1F-432	COTTER, Flange Nut	1
10	6E-06	LKWSHR, Drive Disc to Impeller	30	54	209582	SHAFT, Output	1
11	2D-06	NUT, Drive Disc to Impeller	30	55	205928	NUT, Flange	1
12	25K-40600	"O" RING, Impeller to Hub	1	56	209594	FLANGE ASSY (Inc. 57)	1
13	223197	HUB, Impeller	1	57	100949	DEFLECTOR, Flange	1
14	209567	WASHER, Impeller to Hub	6	58	209588	CAP, Output Shaft Bearing	1
15	209566	BOLT, Impeller to Hub	6	58A	1C-820	†BOLT, Bearing Cap	4
16	209562	"O" RING, Converter Support	1	58B	4E-08	†LKWSHR, Bearing Cap	4
17	208784	PLUG, Pressure Relief	1	59	4E-07	LKWSHR, Cover to Housing	14
18	221023	SEAL, Relief Plug	1	60	1C-720	BOLT, Cover to Housing	14
19	222312	SPRING, Pressure Relief	1	61	209555	"O" RING, Cover to Housing	1
20	222318	PLUNGER, Relief Valve	1	62	209584	SPACER, Output Shaft Gear	1
21	25K-30018	"O" RING, Oil Tube	2	63	216681	*GEAR, Output Shaft (45T)	1
22	209868	TUBE, Cover to Case Oil	1	64	675543	CUP, Output Shaft Bearing	1
23	4C-824	BOLT, Converter Support	6	64A	658981	CONE, Output Shaft Bearing	1
23A	743314	†WASHER, Converter Support	6	65		RING, Drive Gear Bearing Locating (Select one at assembly)	
23B	28H-18	†‡LOCKWIRE, Converter Support Bolt	—	65A	223953	‡RING — .088 to .090	—
24	223922	RING, Pump Bearing Retaining	4	65B	223954	‡RING — .091 to .093	—
25	—	CONVERTER PUMP ASSY—(See Index)	—	65C	223955	‡RING — .094 to .096	—
26	—	SHAFT, Output (See 54)	—	65D	223956	‡RING — .097 to .099	—
27	—	PAD, Steering Pump Mounting	—	66	227105	BEARING, Main Drive Gear	1
28	801067	VALVE ASSY, Pressure Regulating— (See Index)	1	67	223199	SUPPORT, Converter	1
29	13F-12	PLUG, Filler	1	68	209560	RING, Drive Gear Shaft Sealing	1
30	—	PAD, Bucket & Boom Pump Mtg.	—	69	209788	SEAL, Support Oil	1
31	201120	PLUG, Magnetic Drain	1	70	209387	RING, Support Sealing	1
32	235961	GASKET, Pump	1	71	214596	BEARING, Impeller Hub	1
33	220987	HUB, Oil Pump Driven Gear	2	72	223854	RING, Hub Bearing Retaining	1
34	853189	BEARING, Oil Pump Driven Gear Hub	4	73	223965	RING, Hub to Reaction Member Ret.	2
35	220986	GEAR, Oil Pump Driven (54T)	2	74	224119	RING, Hub to Support Retainer	1
36	—	CONVERTER PUMP ASSY—(See Index)	—	75	224052	RING, Turbine Hub Retaining	2
37	8D-06	NUT, Pump to Converter Stud	3	76	—	§HUB, Reaction Member — (See 4)	1
38	207647	STUD, Pump to Converter	3	77	209789	SHAFT, Oil Pump	1
39	4E-06	LKWSHR, Pump to Converter	3	78	218702	SHAFT, Main Drive Gear	1
40	223862	RING, Drive Gear Hub Brg. Retaining	2	79	220159	HUB, Turbine	1
41	216555	STUD, Pump Mounting	4	80	223359	BEARING, Drive Disc	1
41A	2D-08	†NUT, Pump Mounting	4	81	209566	BOLT, Turbine to Hub	8
41B	4E-08	†LKWSHR, Pump Mounting	4	82	209567	WASHER, Turbine to Hub	8
42	209791	RING, Pump Shaft Sealing	1	83	220353	DRIVE DISC ASSY	1
43	220985	HUB, Oil Pump Drive Gear	1	84	220222	TURBINE	1
44	654299	BEARING, Oil Pump Drive Gear	1	85	—	FLYWHEEL, Engine	1
45	220990	NUT, Main Drive Gear Retainer	1	86	17C-720	†BOLT, Converter to Flywheel Housing	12
46	220989	WASHER, Retainer Nut Locking	1	87	4E-07	†LKWSHR, Converter to Flywheel Hsg.	12

†Not Illustrated

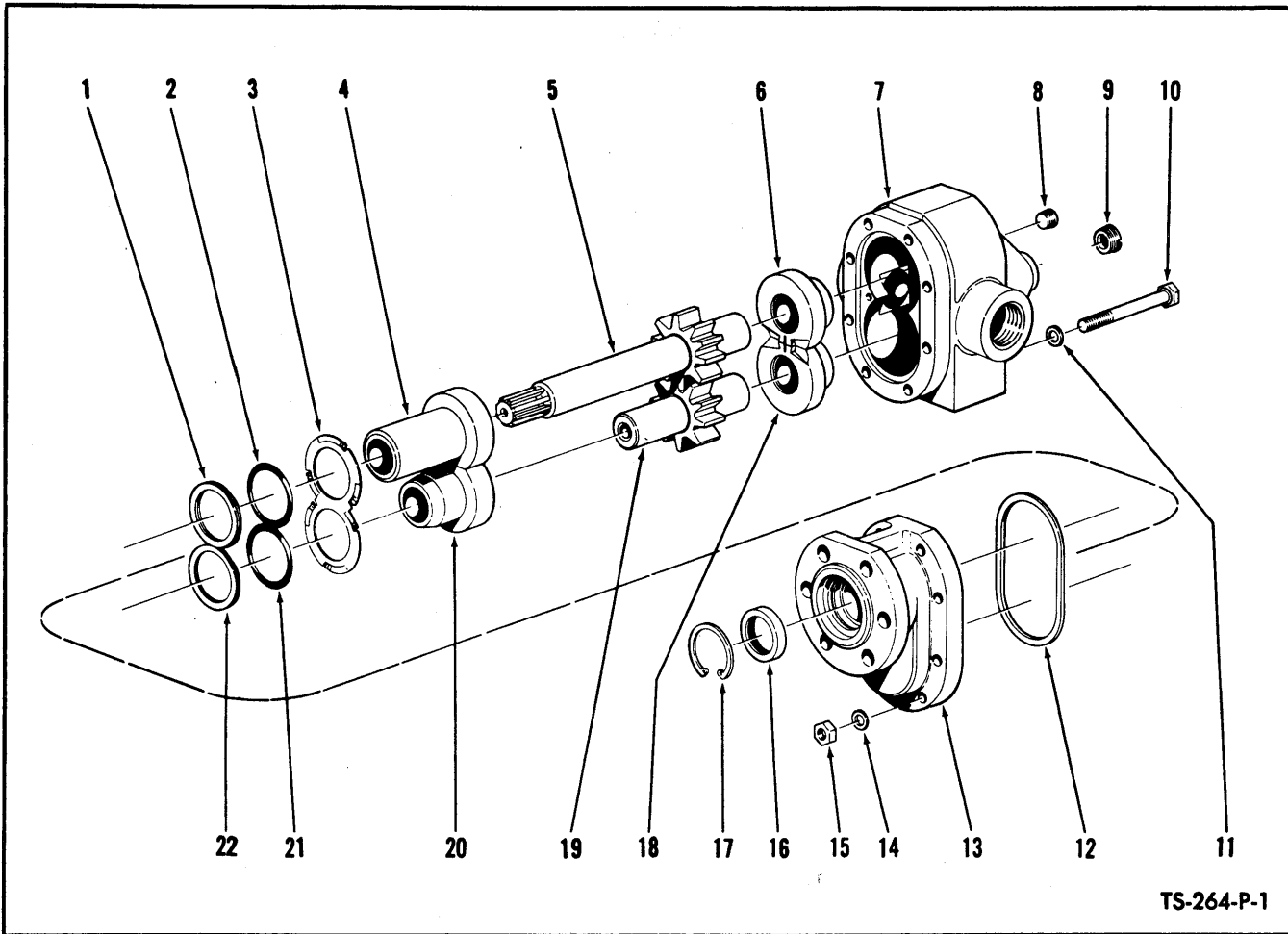
‡As Required

§Not Sold Separately

*NOTE: When 216680 and 216681 Gears are installed in place of 209889 and 209891 in machine serial numbers listed below, both gears must be replaced at the same time, plus 1—218702 Main Drive Gear Shaft. 216680 and 216681 Gears may be purchased as a kit under part number 801296.

CUMMINS — 2892 thru 2942, 2LC52 thru 2LC182
G.M. — 2LG101 thru 2LG147

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC PUMP – CONVERTER CHARGING

For Serial: CUMMINS – 2892 thru 2942, 2LC52 thru 2LC61

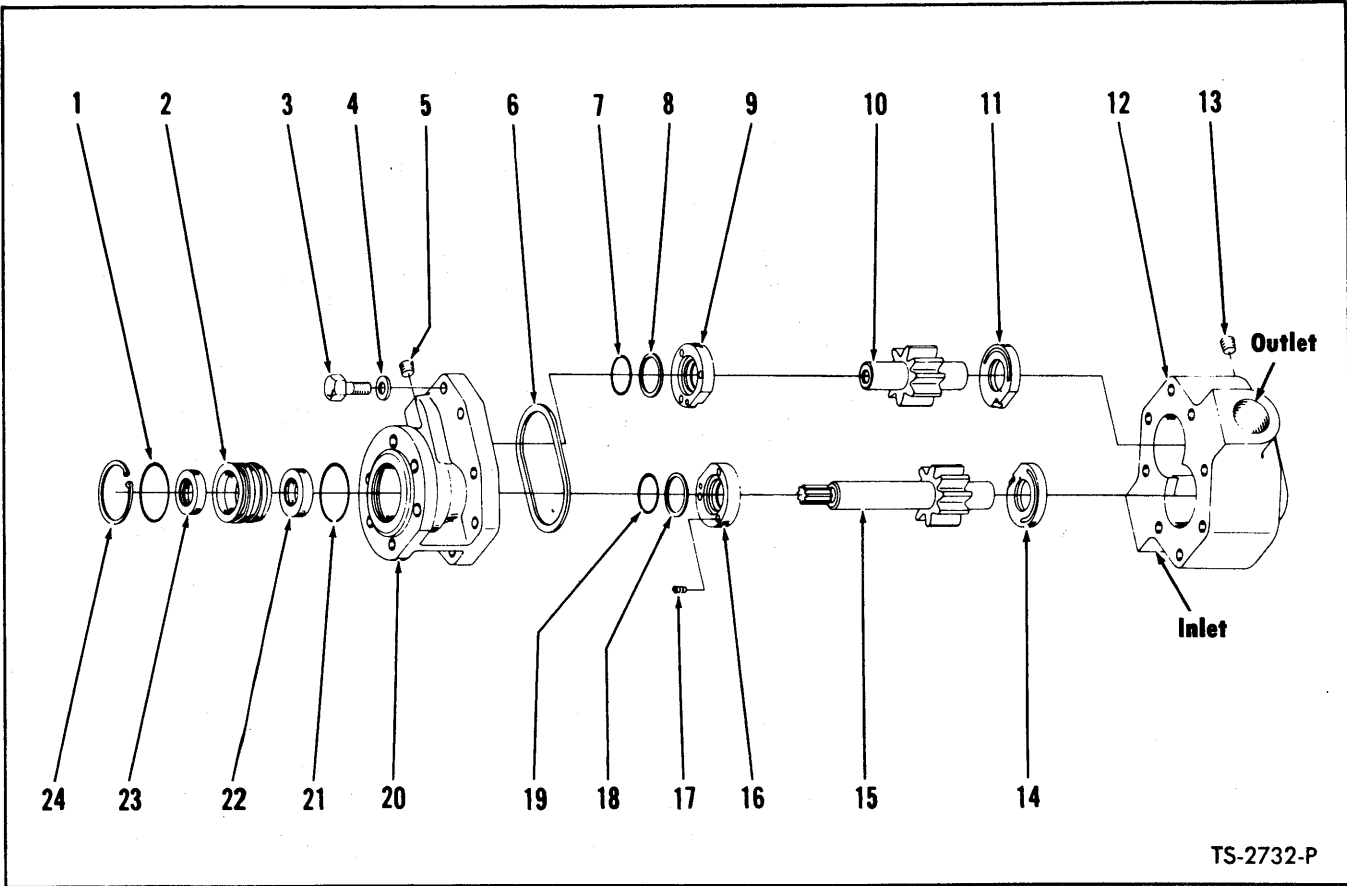
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	220988	*PUMP ASSY (Inc. 1 thru 22)	1	12	§	GASKET, Cover	1
B	942403	REPAIR KIT, Minor (Inc. 1, 2, 12, 16, 17, 21, 22)	1	13	§	COVER	1
C	942433	GEAR SET, Drive & Driven (Inc. 5, 19)	1	14	§	WASHER, Plain	8
1	----	§ WASHER, Back-Up	1	15	§	NUT, Hex	8
2	----	§ SEAL RING, Bearing	1	16	§	SEAL, Shaft	1
3	----	§ SPRING, Bearing	1	17	§	RING, Seal Retainer	1
4	----	§ BEARING, Cover – Drive	1	18	§	BEARING, Body Driven	1
5	----	§ GEAR, Drive	1	19	§	GEAR, Driven	1
6	----	§ BEARING, Body Drive	1	20	§	BEARING, Cover Driven	1
7	----	§ BODY	1	21	§	SEAL RING, Bearing	1
8	16F-02	PLUG, Seal Chamber	1	22	§	WASHER, Back-Up	1
9	----	§ PLUG, Seal Relief	1	23	235961	† GASKET, Pump to Converter	1
10	----	§ BOLT, Hex Head	8	24	2D-06	† NUT	6
11	----	§ WASHER, Plain	8	25	4E-06	† LKWSHR	6

*NOTE: When complete Pump is replaced use 450063. Refer to parts listing on page 42 for replacement parts for 450063 Pump.

†Not Illustrated

§Not Sold Separately – Order Kits.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2732-P

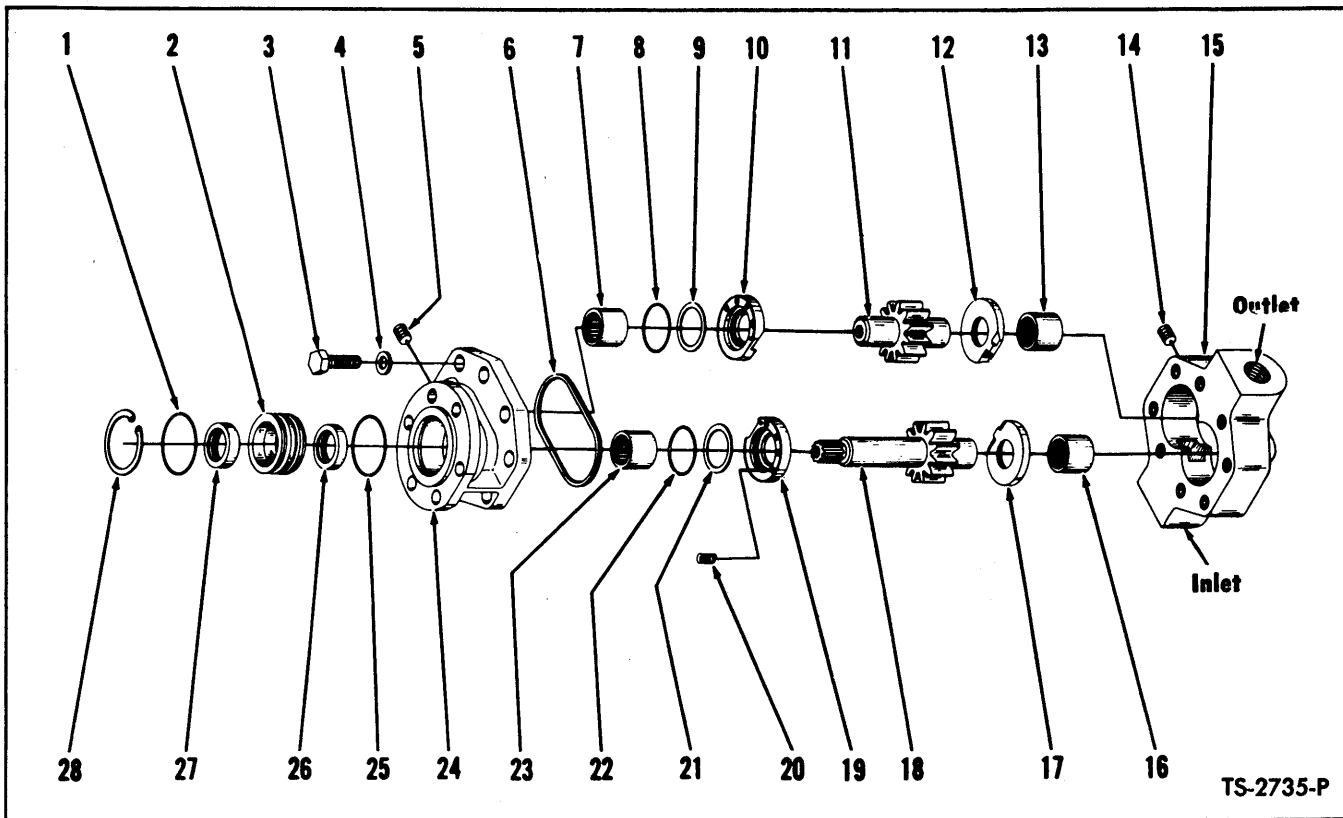
HYDRAULIC PUMP – CONVERTER CHARGING

For Serial: CUMMINS – 2LC62 thru 2LC66, 2LC68, 2LC70, 2LC77, 2LC79

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450011	PUMP ASSY (Inc. 1 thru 24) See Note "A"	1	11	§THRUST PLATE, Body		1
B	498152	REPAIR KIT, Major (Inc. 9, 11, 14, 16)	1	12	**§BODY (Inc. Bushings)		1
C	498151	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 7, 8, 17, 18, 19, 21)	1	13	§PLUG, Body		1
D	498026	GEAR SET, Drive & Driven (Inc. 10, 15)	1	14	§THRUST PLATE, Body		1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 21 thru 24)	1	15	§GEAR, Drive		1
1	-----	§"O" RING, Retainer	1	16	§THRUST PLATE, Cover		1
2	-----	§RETAINER, Shaft Seal	1	17	§SPRING, Cover Thrust Plate		6
3	-----	§BOLT, Cover to Body	8	18	§WASHER, "O" Ring Back-Up		1
4	-----	§WASHER, Cover to Body	8	19	§"O" RING, Cover Thrust Plate		1
5	-----	§PLUG, Cover	1	20	**§COVER (Inc. Bushings)		1
6	-----	§GASKET, Cover	1	21	§"O" RING, Retainer		1
7	-----	§"O" RING, Cover Thrust Plate	1	22	§SEAL, Inner Oil		1
8	-----	§WASHER, Back-Up	1	23	§SEAL, Outer Oil		1
9	-----	§THRUST PLATE, Cover	1	24	§RING, Seal Retainer		1
10	-----	§GEAR, Driven	1	25	235961 †GASKET, Pump to Converter		1
				26	8D-06 †NUT, Pump to Converter		6
				27	4E-06 †LKWSHR, Pump to Converter		6

NOTE "A"—When complete pump is replaced use 450063. Refer to parts listing on page 42 for replacement parts for 450063 Pump.
 *NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.
 **NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.
 §Not Sold Separately – Order Kits.
 †Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC PUMP – CONVERTER CHARGING

For Serial: **CUMMINS – 2LC67, 2LC69, 2LC71 thru 2LC76, 2LC78, 2LC80 thru 2LC999**
G.M. – 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
A	450063	PUMP ASSY (Inc. 1 thru 28).....	1
B	498128	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25).....	1
D	498026	GEAR SET, Drive & Driven (Inc. 11, 18)	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28).....	1
1	-----	§"O" RING, Retainer.....	1
2	-----	§RETAINER, Shaft Seal.....	1
3	-----	§BOLT, Cover to Body.....	8
4	-----	§WASHER, Cover to Body.....	8
5	-----	§PLUG, Cover.....	1
6	-----	§GASKET, Cover.....	1
7	-----	**§BEARING, Cover – Driven.....	1
8	-----	§"O" RING, Cover Thrust Plate.....	1
9	-----	§WASHER, "O" Ring Back-Up.....	1
10	-----	§THRUST PLATE, Cover.....	1
11	-----	§GEAR, Driven.....	1
12	-----	§THRUST PLATE, Body.....	1

Item No.	Part No.	Description	No. Req'd.
13	-----	**§BEARING, Body.....	1
14	-----	§PLUG, Body.....	1
15	-----	**§BODY.....	1
16	-----	**§BEARING, Body.....	1
17	-----	§THRUST PLATE, Body.....	1
18	-----	§GEAR, Drive.....	1
19	-----	§THRUST PLATE, Cover.....	1
20	-----	§SPRING, Cover Thrust Plate.....	6
21	-----	§WASHER, "O" Ring Back-Up.....	1
22	-----	§"O" RING, Cover Thrust Plate.....	1
23	-----	**§BEARING, Cover.....	1
24	-----	**§COVER.....	1
25	-----	§"O" RING, Retainer.....	1
26	-----	§SEAL, Inner Oil.....	1
27	-----	§SEAL, Outer Oil.....	1
28	-----	§RING, Seal Retaining.....	1
29	219412	†SLEEVE, Pump Drive.....	1
30	235961	†GASKET, Pump to Converter.....	1
31	66D-06	†NUT, Pump to Converter.....	6

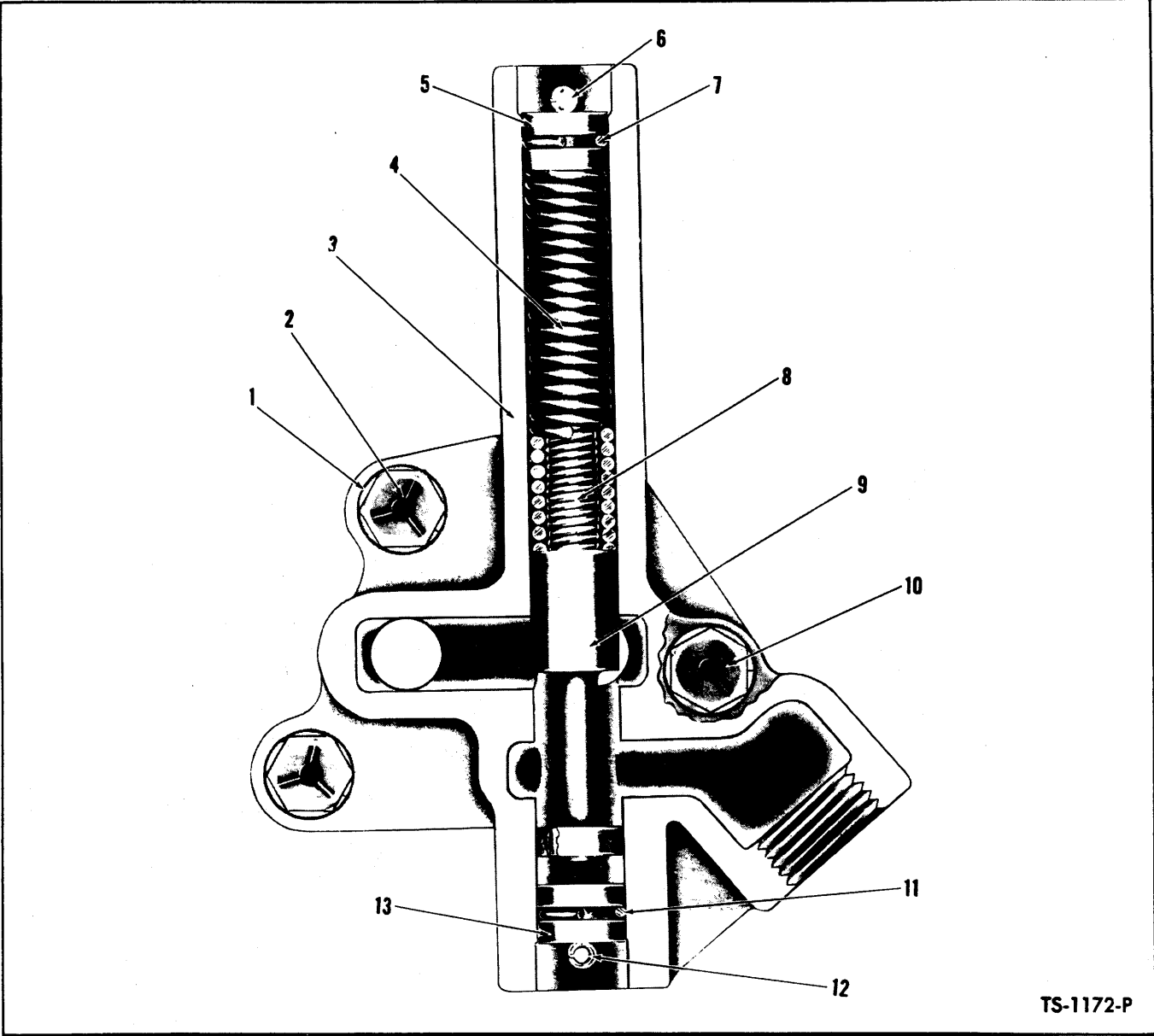
†Not Illustrated

§Not Sold Separately

*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



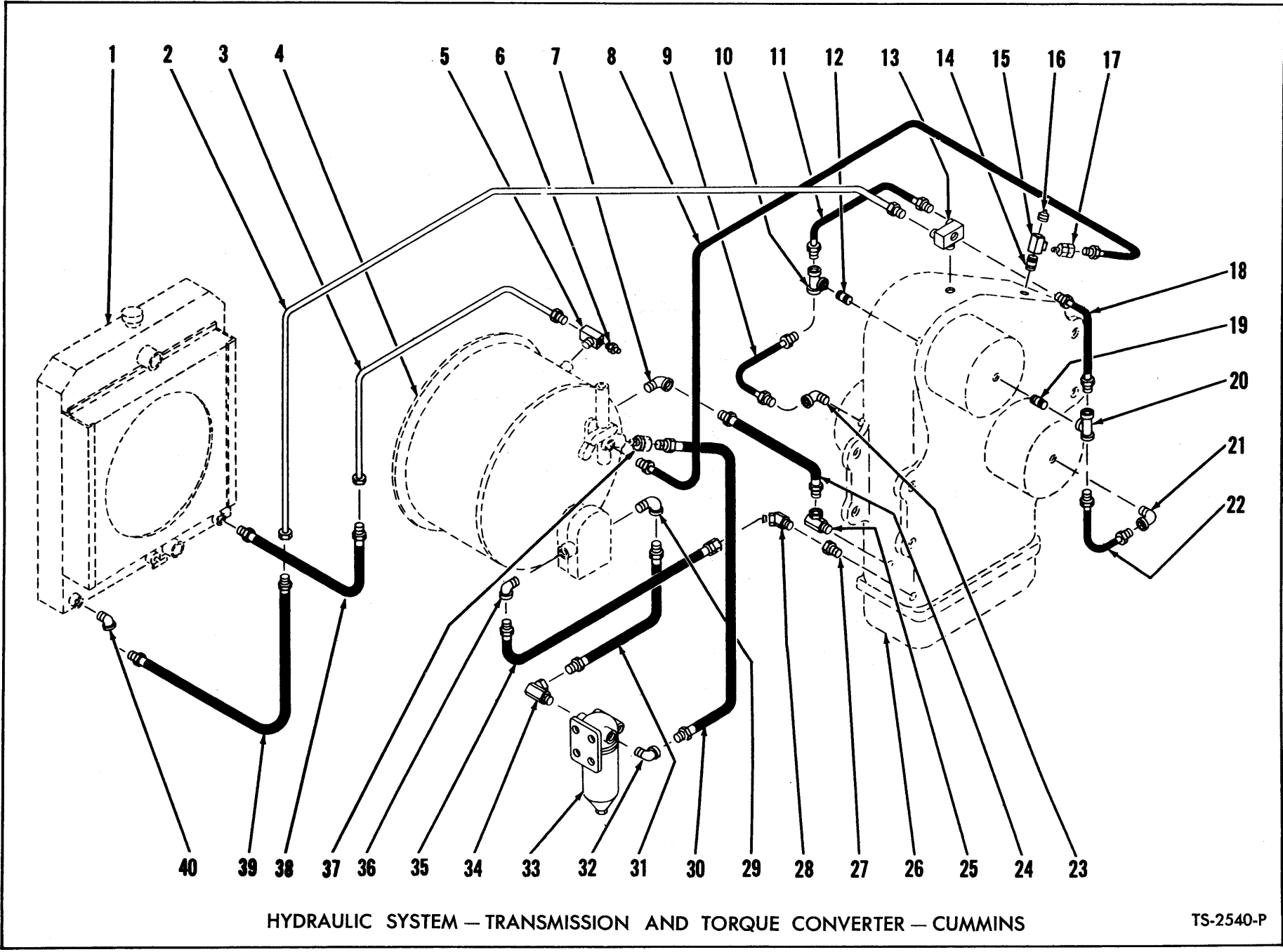
TS-1172-P

PRESSURE REGULATOR VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	801067	VALVE ASSY, Pressure Regulator (Inc. 3 thru 9, 11 thru 15)	1	8	220982	SPRING, Valve—Inner	1
1	4E-08	LKWSHR, Valve to Converter	3	9	---	§PISTON, Valve (See A)	1
2	1C-820	BOLT, Valve to Converter—Short	2	10	1C-840	BOLT, Valve to Converter	1
3	---	§BODY, Valve (See A)	1	11	25K-30018	"O" RING, Piston Stop	1
4	220981	SPRING, Valve—Outer	1	12	660178	PIN	1
5	220983	STOP, Piston	1	13	220983	STOP, Piston	1
6	660178	PIN	1	14	220978	†GASKET, Valve to Converter	1
7	25K-30018	"O" RING, Piston Stop	1	15	58K-210	†"O" RING, Valve to Converter	2

†Not Illustrated
§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS

TS-2540-P

44

(2B3)

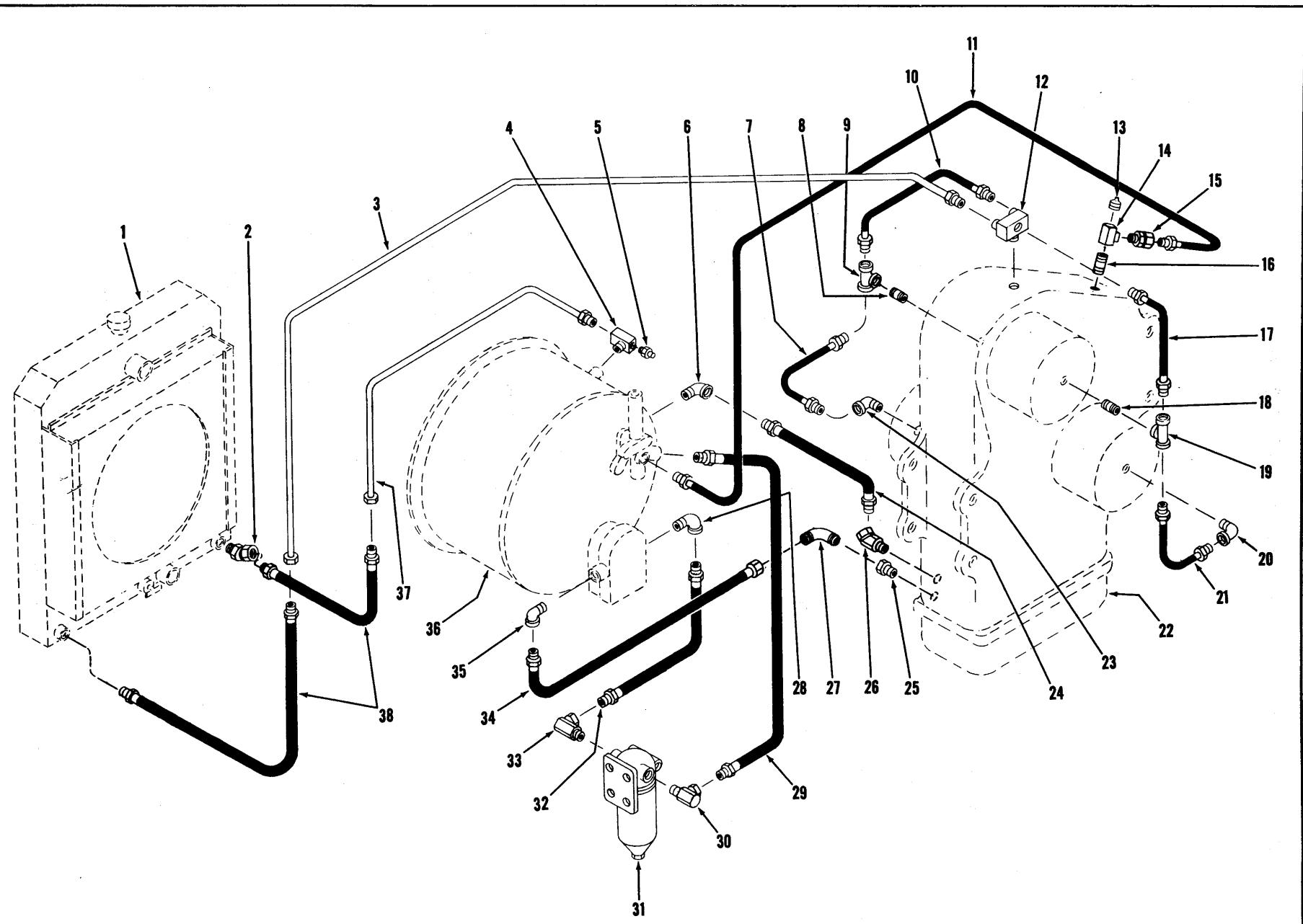
PM 1692

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR — See Index	—	24		HOSE, Converter to Transmission—Drain	
2	524236	LINE, Cooler Return — Rad. to Trans...	1	24A	629162	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
3	524235	LINE, Cooler — Converter to Radiator	1	24B	538208	For Serial 2LC118 thru 2LC999	1
4	-----	CONVERTER — See Index	—	25		ADAPTER UNION, Hose to Trans.	
5	524544	TEE, Cooler Line to Converter	1	25A	31F-5	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
6	551323	SENDER UNIT, Converter Temperature	1	25B	31F-6	For Serial 2LC118 thru 2LC999	1
7		ELBOW, Hose to Converter Housing		26	-----	TRANSMISSION — See Index	—
7A	26F-5	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1	27	356626	BUSHING, Transmission Reducing	1
7B	26F-6	For Serial 2LC118 thru 2LC999	1	28		ADAPTER UNION	
8	623802	HOSE, Transmission Clutch Pressure	1	28A	33F-6	For Serial 2892 thru 2942, 2LC52 thru 2LC117	1
9	551300	HOSE, 1st & 3rd to Reverse Clutch	1	28B	84F-10	For Serial 2LC118 thru 2LC999	1
10	18F-2	TEE, 1st & 3rd Clutch	1	29	26F-5	ELBOW, Hose to Pump	1
11	551301	HOSE, Junc. Block to 1st & 3rd Clutch	1	30	550724	HOSE, Filter to Regulator Valve	1
12	5K-207	NIPPLE, Tee to Clutch Cover	1	31	613337	HOSE, Pump to Filter	1
13	524543	JUNCTION BLOCK, Transmission	1	32	26F-5	ELBOW, Hose to Filter	1
14	5K-216	NIPPLE, Tee to Control Cover	1	33	1533615	FILTER, Trans. & Conv. Oil (Inc. 33A)	1
15	28F-1	TEE, Hose to Transmission	1	33A	215502	CARTRIDGE KIT, Filter	1
16	13F-04	PLUG, Tee	1	34	31F-5	ADAPTER UNION, Hose to Filter	1
17	711186	ADAPTER UNION, Hose to Tee	1	35	538207	*HOSE, Trans. to Pump — Suction	1
18	551301	HOSE, Junction Block to Fwd. Clutch	1	36	26F-6	ELBOW, Hose to Pump	1
19	5K-207	NIPPLE, Tee to Clutch Cover	1	37	36F-5	ADAPTER UNION, Hose to Valve	—
20	18F-2	TEE, Forward Clutch	1	38	526847	HOSE, Cooler Pipe to Radiator	1
21	26F-2	ELBOW, Hose to Clutch Cover	1	39	526847	HOSE, Return Cooler Pipe to Radiator	1
22	550876	HOSE, Forward to 2nd & 4th Clutch	1	40	25F-5	ELBOW, Hose to Radiator (For Serial 2892 thru 2942, 2LC52 thru 2LC117 only)	1
23	26F-2	ELBOW, Hose to Clutch Cover	1				

*NOTE: When 538207 is used on machines Serial 2892 thru 2942, 2LC52 thru 2LC117, 1—84F-10 Adapter Union (Item 28B) must also be used.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — G.M.

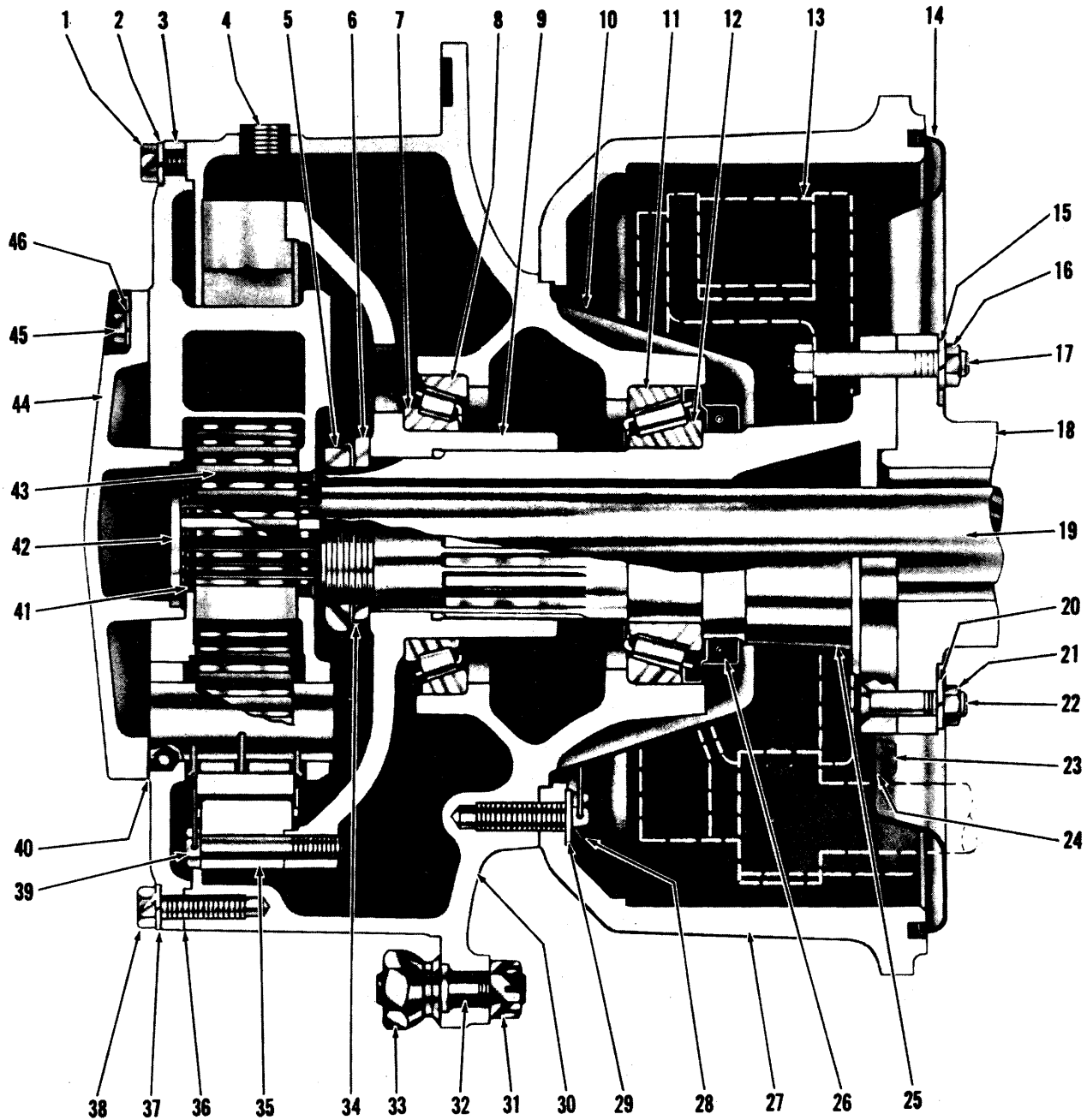
TS-3655-P

HYDRAULIC SYSTEM — TRANSMISSION AND TORQUE CONVERTER — G.M.

Item No.	Part No.	Description	No. Req'd.
1	-----	RADIATOR — See Index	—
2	33F-5	ADAPTER	1
3	524236	LINE, Hose to Transmission	1
4	524544	TEE, Line to Converter	1
5	551323	SENDER UNIT, Converter Temperature	1
6	26F-6	ELBOW, Hose to Converter	1
7	551300	HOSE, 1st & 3rd to Reverse Clutch	1
8	5K-207	NIPPLE, Tee to Clutch Cover	1
9	18F-2	TEE, 1st & 3rd Clutch	1
10	551301	HOSE, Junction Block to 1st & 3rd Clutch	1
11	623803	HOSE, Transmission Clutch Pressure	1
12	524543	JUNCTION BLOCK, Transmission	1
13	13F-04	PLUG, Tee	1
14	28F-1	TEE, Hose to Transmission	1
15	711186	ADAPTER UNION, Hose to Tee	1
16	5K-216	NIPPLE, Tee to Control Cover	1
17	551301	HOSE, Junction Block to Forward Clutch	1
18	5K-207	NIPPLE, Tee to Clutch Cover	1
19	18F-2	TEE, Forward Clutch	1
20	26F-2	ELBOW, Hose to Clutch Cover	1
21	550876	HOSE, Forward to 2nd & 4th Clutch	1
22	-----	TRANSMISSION — See Index	—
23	26F-2	ELBOW, Hose to Clutch Cover	1
24	541661	HOSE, Transmission to Converter — Drain	1
25	356626	BUSHING, Adapter to Transmission	1
26	33F-6	ADAPTER	1
27	84F-10	ADAPTER	1
28	26F-5	ELBOW, Hose to Pump	1
29	533463	HOSE, Filter to Regulating Valve	1
30	31F-5	ADAPTER	1
31	1533615	FILTER, Transmission & Converter Oil (Inc. 33A)	1
31A	215502	† CARTRIDGE KIT, Filter	1
32	550724	HOSE, Pump to Filter	1
33	31F-5	ADAPTER	1
34	540772	HOSE, Transmission to Pump — Suction	1
35	26F-6	ELBOW, Hose to Pump	1
36	-----	TORQUE CONVERTER — See Index	1
37	540789	LINE, Hose to Converter	1
38	526847	HOSE, Transmission to Radiator Line	2

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AXLE ASSEMBLY — FRONT DRIVE

TS-1607-P

AXLE ASSEMBLY — FRONT DRIVE

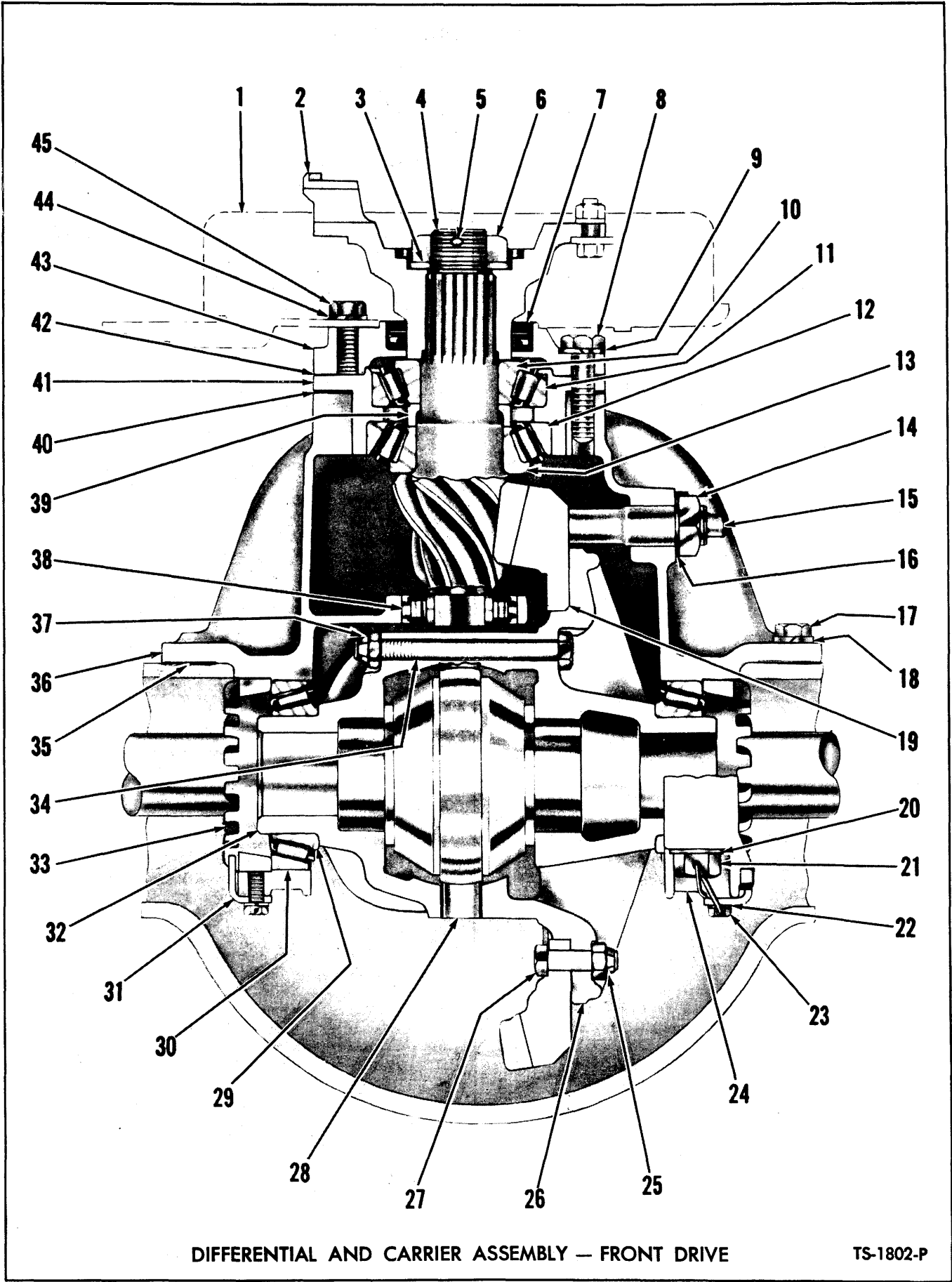
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130192	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61 — (For complete replacement use 130788)	1	17	106736	BOLT, Spindle & Brake Attaching	16
B	130733	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2LC62 thru 2LC117 — (For complete replacement use 130788)	1	18	107004	HOUSING, Axle	1
C	130788	AXLE ASSY (Inc. 1 thru 47) For Serial: Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	1	18A	11F-12	†PLUG, Housing Filler	1
1	1C-808	BOLT, Planet Puller Hole	4	18B	11F-12	†PLUG, Housing Drain	1
2	3E-08	LKWSHR, Planet Puller Hole	4	18C	12F-204	†PLUG, Housing Expansion	1
3	-----	PLANET SPIDER ASSY—(See Index)	—	18D	106656	†BREATHER, Axle Housing	1
4	11F-12	PLUG, Planet Filler	2	19	106234	SHAFT, Axle	2
5	-----	NUT, Outer Spindle	—	20	104412	WASHER, Spindle & Brake Attaching	4
5A	114433	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	21	106998	NUT, Spindle & Brake Attaching	4
5B	110559	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	22	106737	SCREW, Spindle & Brake Attaching	4
6	-----	NUT, Inner Spindle	—	23	1C-612	BOLT, Dust Cover	12
6A	114433	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	24	4E-06	LKWSHR, Dust Cover	12
6B	110559	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	25	-----	SPINDLE	—
7	-----	CONE, Outer Hub Bearing	—	25A	106741	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
7A	675261	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	25B	111710	**Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
7B	742263	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	26	-----	SEAL, Hub Oil	—
8	-----	CUP, Outer Hub Bearing	—	26A	128117	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
8A	668553	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	26B	125148	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
8B	742262	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	27	107002	***DRUM, Brake	2
9	-----	HUB, Internal Gear	—	28	107256	BOLT, Drum to Hub	24
9A	106882	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2	29	104412	WASHER, Drum to Hub	24
9B	110623	For Serial: Cummins — 2LC62 thru 2LC117	2	30	-----	HUB ASSY (Inc. 8, 11)	—
9C	110553	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	30A	107252	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
10	106221	CATCHER, Oil	2	30B	815754	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
11	-----	CUP, Inner Hub Bearing	—	31	103076	NUT, Wheel Stud	20
11A	672004	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	32	103445	STUD, Wheel	20
11B	774024	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	33	103522	NUT, Wheel	20
12	-----	CONE, Inner Hub Bearing	—	34	-----	LOCK, Spindle Nut	—
12A	672005	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2	34A	101274	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC117	2
12B	774025	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2	34B	118786	Cummins — 2LC118 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
13	-----	BRAKE ASSY — (See Index)	—	35	-----	GEAR, Internal	—
14	-----	COVER, Brake Dust	—	35A	106233	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
14A	120809	Top Left — Bottom Right	2	35B	110622	Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
14B	109947	Bottom Left — Top Right	2	36	-----	Use PERMATEx #2	—
15	104412	WASHER, Spindle & Brake Attaching	16	37	106762	LKWSHR, Planet Spider to Hub	20
16	106998	NUT, Spindle & Brake Attaching	16	38	100970	BOLT, Planet Spider to Hub	20
				39	-----	BOLT, Internal Gear to Hub	—
				39A	106883	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	16
				39B	110624	Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	2
				40	-----	Use PERMATEx #2	—
				41	224023	RING, Sun Gear Retaining	2
				42	106457	WASHER, Sun Gear Thrust	2
				43	106232	GEAR, Sun	2
				44	815565	*CAP ASSY, Sun Gear Thrust (Inc. 42)	2
				45	1C-720	BOLT, Thrust Cap	12
				46	4E-07	LKWSHR, Thrust Cap	12
				47	-----	†DIFFERENTIAL & CARRIER ASSY — (See Index)	—

†Not Illustrated

*NOTE: 815565 also includes 6—112278 Washers, 1—113292 O-Ring & 1—11F-12 Plug.

**NOTE: For replacement use 1—118786 Lock Nut plus 816023 Spindle & Sleeve Kit which consists of 1—123945 Spindle and 1—123947 Sleeve.

***NOTE: For replacement use 815738 Brake Drum Kit, which consists of 1—118367 Brake Drum, 12—108032 Mounting Bolt, and 1—815739 Instruction Sheet.



DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

TS-1802-P

DIFFERENTIAL AND CARRIER ASSEMBLY — FRONT DRIVE

Item No.	Part No.	Description	No. Req'd.
A	111489	DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 51)	1
1	-----	PARKING BRAKE ASSY — (See Index)	—
2	-----	FLANGE — (See Parking Brake Assy)	—
3	101224	WASHER, Pinion Bearing	1
4	-----	PINION (See 50)	—
5	1F-740	COTTER, Pinion Shaft	1
6	101223	NUT, Pinion Shaft	1
7	111721	SEAL, Pinion Oil	1
8	1C-1040	BOLT, Pinion Oil Seal Retainer	7
8A	1C-836	†BOLT, Pinion Oil Seal Ret. Locating	1
9	4E-10	LKWSHR, Pinion Oil Seal Retainer	7
9A	4E-08	LKWSHR, Pinion Oil Seal Ret. Loc.	1
10	675260	CONE, Outer Pinion Bearing	1
11	675259	CUP, Outer Pinion Bearing	1
12	675262	CUP, Center Pinion Bearing	1
13	675263	CONE, Center Pinion Bearing	1
14	8D-18	NUT, Differential Thrust Screw	1
15	101226	SCREW, Differential Thrust	1
16	101227	LOCK, Differential Thrust Screw	1
17	1C-928	BOLT, Carrier to Axle Housing	10
17A	1C-932	BOLT, Carrier to Axle Housing	2
17B	1C-940	BOLT, Carrier to Axle Housing	2
18	4E-09	LKWSHR, Carrier to Axle Hsg. Bolt	14
19	-----	RING GEAR (See 50)	—
20	111658	WASHER, Differential Carrier Cap	4
21	101210	BOLT, Differential Carrier Cap	4
22	4E-06	LKWSHR, Diff. Adjusting Nut Lock	2
23	3C-614	BOLT, Diff. Adjusting Nut Lock	2
24	-----	CAP, Differential Carrier (See 47)	—
25	86D-09	NUT, Ring Gear	12

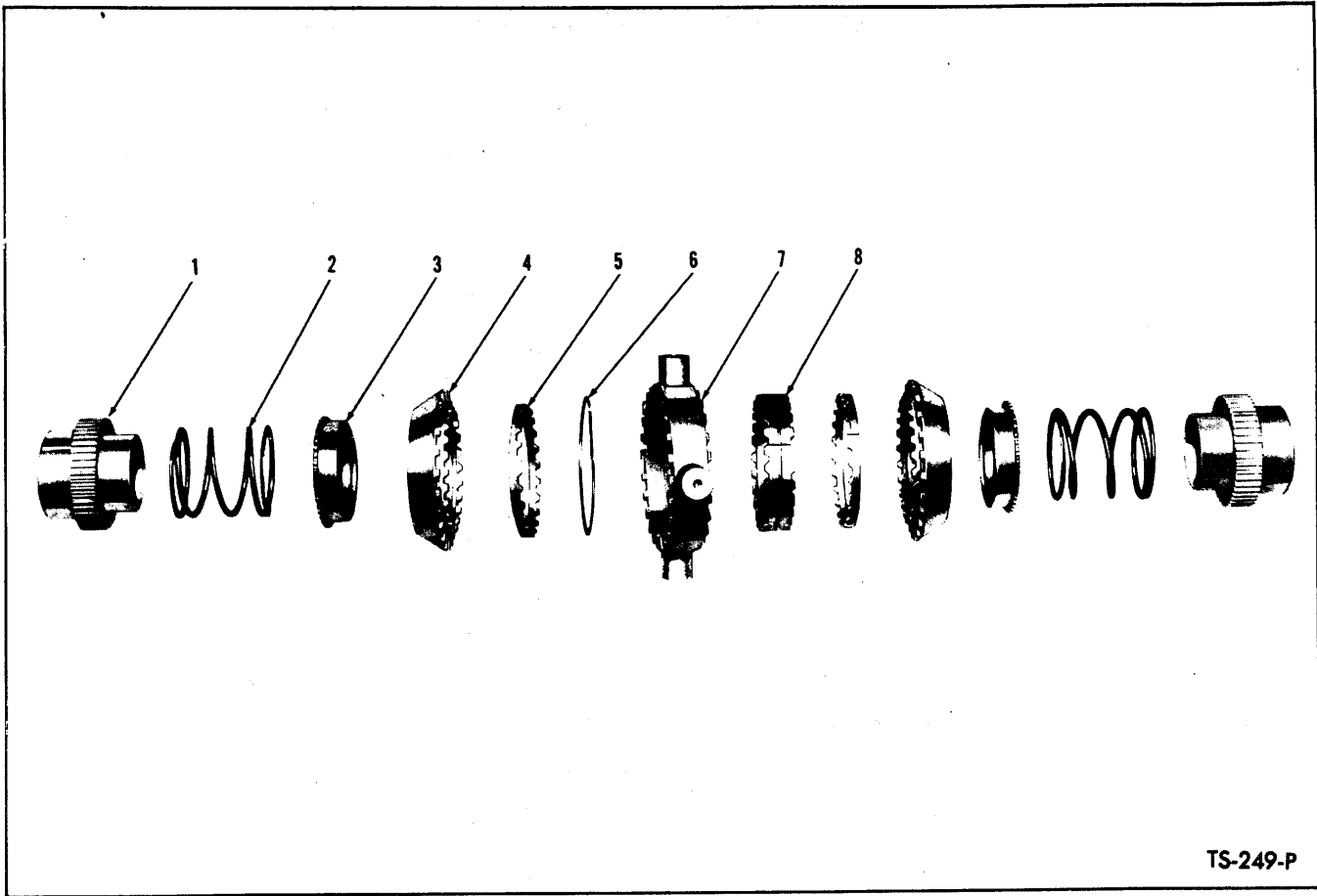
Item No.	Part No.	Description	No. Req'd.
26	-----	DIFF. CASE — Flanged Half (See 51)	—
27	101196	BOLT, Ring Gear	12
28	-----	NO-SPIN-UNIT — Diff. — (See Index)	—
29	675254	CONE, Differential Bearing	2
30	675252	CUP, Differential Bearing	2
31	100941	LOCK, Differential Adjusting Nut	2
32	-----	DIFF. CASE — Plain Half (See 51)	—
33	123748	NUT, Differential Adjusting	2
34	101206	BOLT, Differential Case 1/8"	8
34A	111353	BOLT, Differential Case 5/8"	8
35	-----	Use Perma-Tex #2	—
36	-----	DIFFERENTIAL CARRIER (See 47)	—
37	86D-09	NUT, Differential Case Bolt 1/8"	8
37A	86D-10	NUT, Differential Case Bolt 5/8"	8
38	675265	BEARING, Pinion — Inner	1
39	815200	SPACER & SHIM KIT, Pinion Bearing	1
40	114351	‡SHIM, Pinion Bearing Cage — Thin	—
40A	101219	‡SHIM, Pinion Bearing Cage — Medium	—
40B	125579	‡SHIM, Pinion Bearing Cage — Thick	—
41	-----	CAGE, Pinion Outer Bearing (See 46)	—
42	107483	GASKET, Pinion Oil Seal Retainer	1
43	107482	RETAINER, Pinion Oil Seal	1
44	4E-09	LKWSHR, Brake Mounting Bolt	4
45	1C-924	BOLT, Brake Mounting	4
46	107477	†BEARING CAGE & CUP ASSY (Inc. 11, 12 & 41)	1
47	815521	*†DIFF. CARRIER & CAP ASSY (Inc. 20, 21, 24 & 36)	1
48	111362	†DIFF. BODY SUB-ASSY (Inc. 28, 51)	1
49	118660	†DIFF. ASSY (Inc. 25, 27, 48 & 50)	1
50	815327	†RING GEAR & PINION KIT (Inc. 4 & 19)	1
51	815396	†DIFF. CASE KIT (Inc. 26, 32, 34A, 37A)	1

†Not Illustrated

‡As Required

*NOTE: 815521 item 47 also includes 1 — 116982 Differential Carrier and Cap Assembly, 3—64D-09 Nut, 7—17C-928 Bolt, 2—17C-932 Bolt, 2—17C-940 Bolt, 3—112294 Stud, 3—112295 Dowel & 14—106547 Washer.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-249-P

NO-SPIN DIFFERENTIAL UNIT

Column 1: For Serial: CUMMINS – 2892 thru 2942, 2LC52 thru 2LC61

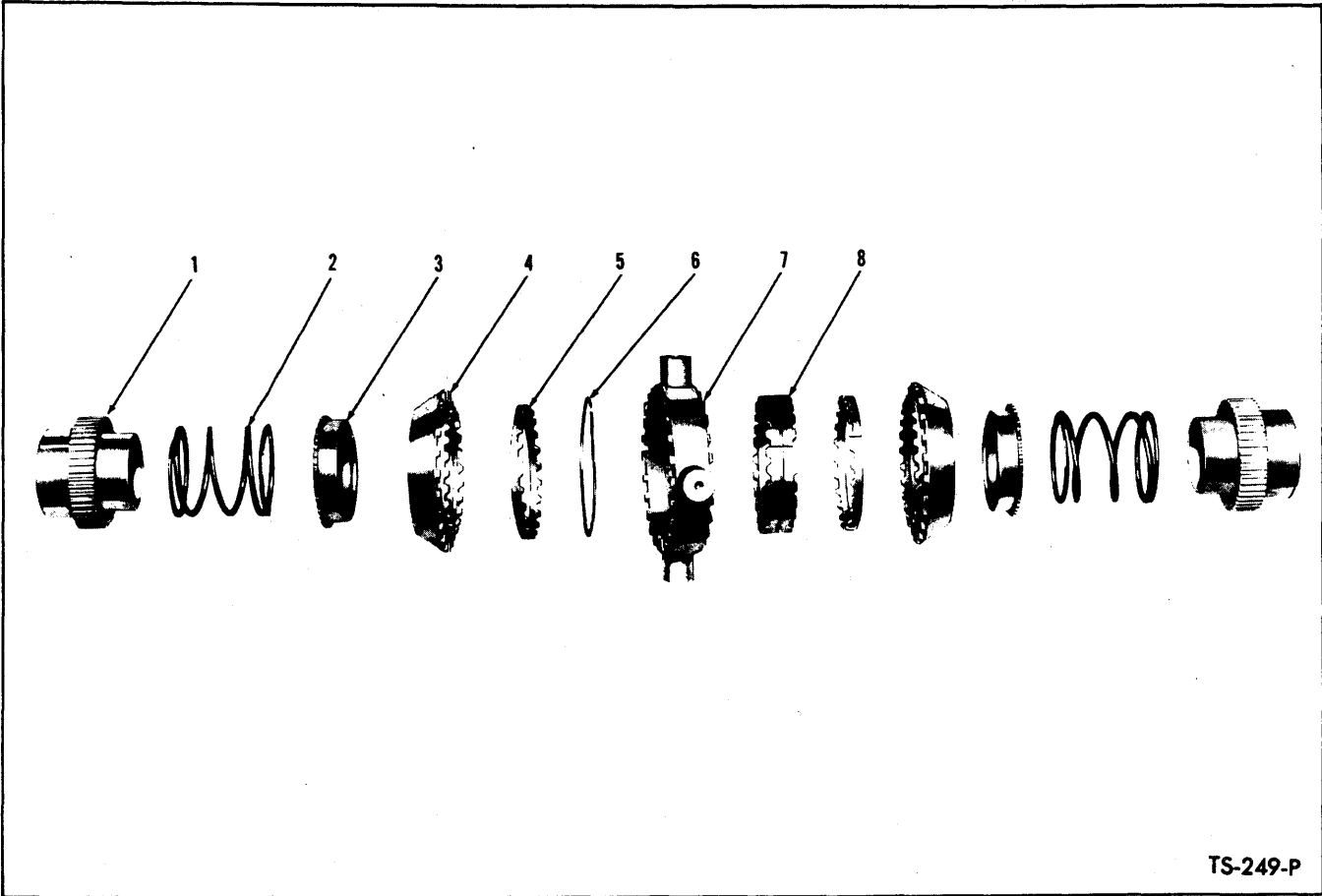
Column 2: For Serial: CUMMINS – 2LC62 thru 2LC999

G.M. – 2LG101 thru 2LG999

Item No.	Description	No. Req'd.	Column 1	Column 2
A	NO-SPIN UNIT (Inc. 1 thru 8).....	1	*106986	*110344
1	GEAR, Side	2	*941797	882199
2	SPRING	2	941796	882197
3	RETAINER, Spring	2	*941795	882198
4	CAM & CLUTCH	2	*941791	882196
5	RING, Holdout	2	960899	960899
6	RING, Snap – See 7	1	§-----	§-----
7	SPIDER	1	875913	875913
8	CENTER CAM – See 7	1	§-----	§-----

*NOTE: For complete replacement use 127566 No-Spin Unit.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



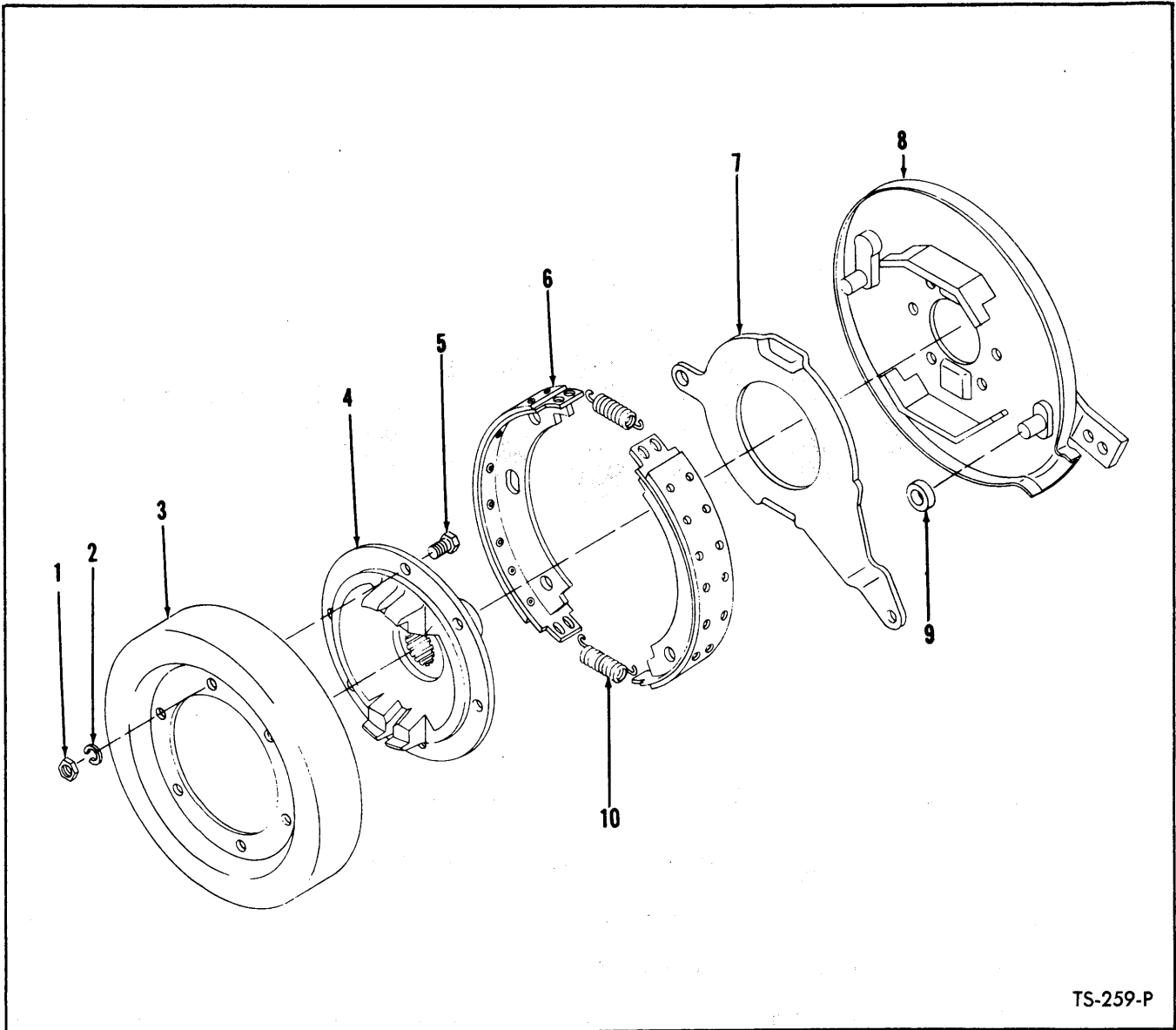
TS-249-P

NO-SPIN DIFFERENTIAL UNIT – SERVICE ONLY

Item	Part No.	Description	Qty.
A	127566	NO-SPIN UNIT (Inc. 1 thru 8)	1
1	882199	GEAR, Side	2
2	882197	SPRING	2
3	882198	RETAINER, Spring	2
4	882196	CAM & CLUTCH	2
5	960899	RING, Holdout	2
6	----	§RING, Snap – See 7	1
7	875913	SPIDER	1
8	----	§CENTER CAM – See 7	1

*NOTE: For complete replacement, use 110344.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



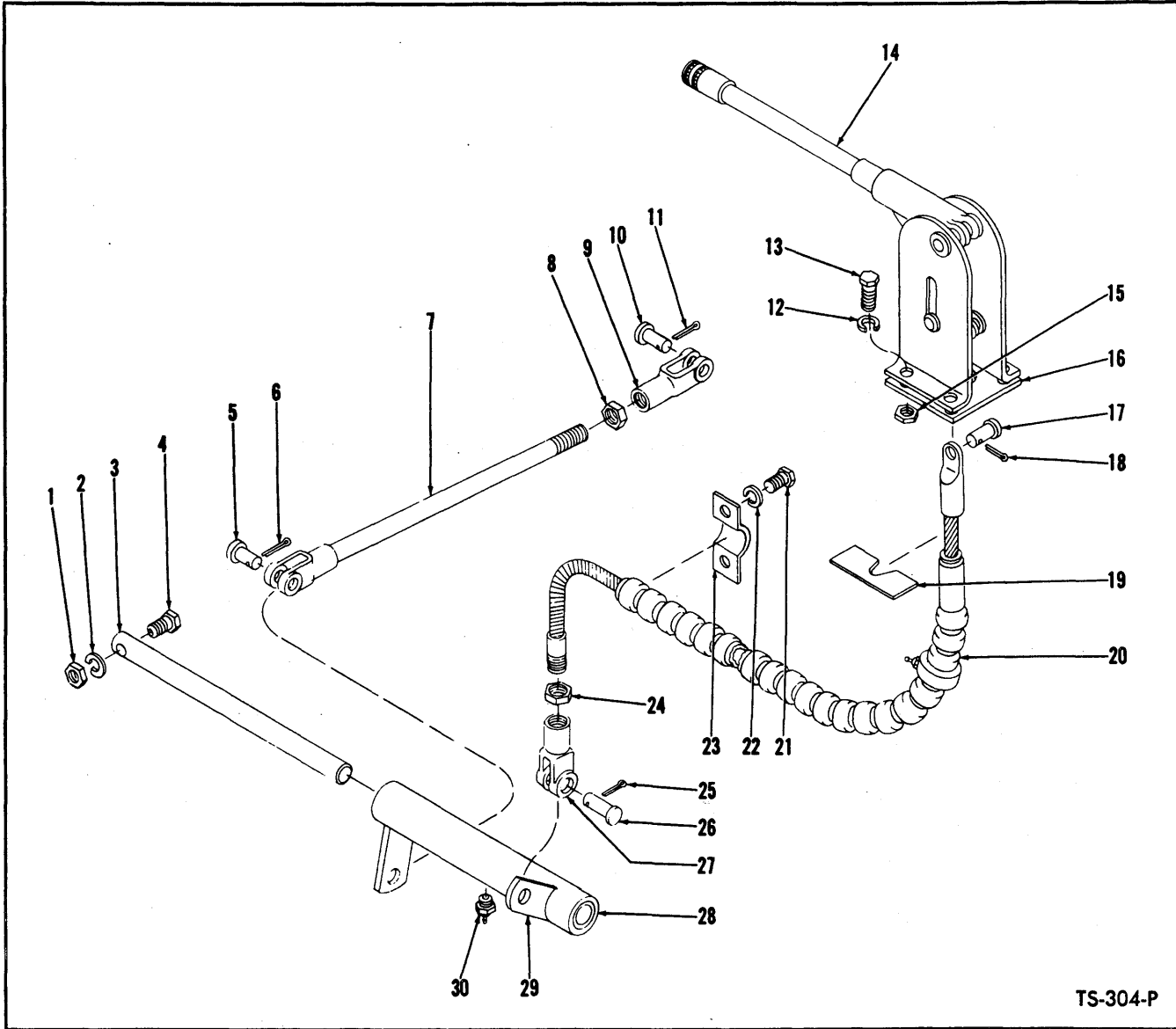
TS-259-P

PARKING BRAKE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	107484	BRAKE ASSY (Inc. 6 thru 10)	1	6B	945051	†RIVET	28
1	2D-07	NUT, Drum to Flange	8	7	220965	LEVER, Brake Operating Cam	1
2	4E-07	LKWSHR, Drum to Flange	8	8	875379	BRAKE BACK PLATE, Brake & Pawl Assy	1
3	107481	DRUM, Brake	1	9	220968	ROLLER, Brake Operating Cam	1
4	107480	FLANGE, Companion	1	10	220969	SPRING, Brake Shoe Return	2
5	104471	BOLT, Drum to Flange	8	11	1C-924	†BOLT, Brake Mounting	4
6	872712	SHOE ASSY, Brake (Inc. 6A)	2	12	4E-09	†LKWSHR, Brake Mounting	4
6A	942405	†KIT, Brake Lining (Inc. 6B)	1				

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



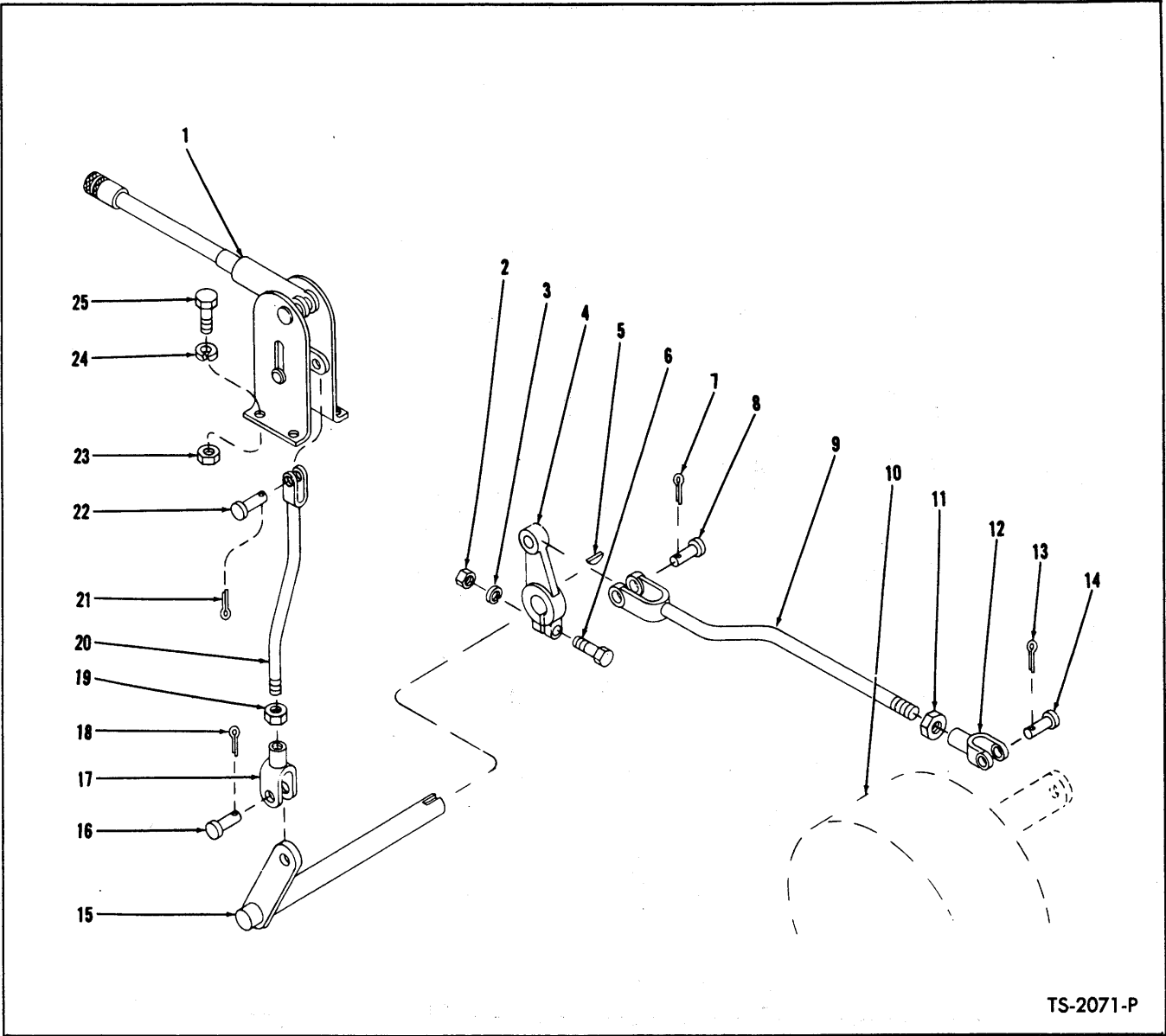
TS-304-P

PARKING BRAKE CONTROLS

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	2D-06	NUT, Shaft Retaining	1	16	513945	PLATE, Lever Mounting	1
2	4E-06	LKWSHR, Shaft Retaining	1	17	4F-04051	PIN, Cable to Lever	1
3	550299	SHAFT, Pivot Tube	1	18	1F-208	COTTER, Cable to Lever Pin	1
4	2C-640	BOLT, Shaft Retaining	1	19	513946	RETAINER, Conduit Ferrule	1
5	4F-06106	PIN, Pivot Tube to Link Rod Clevis	1	20	551688	CABLE ASSY	1
6	1F-312	COTTER, Clevis Pin	1	21	2C-516	BOLT, Bracket to Frame	2
7	513948	ROD, Link	1	22	4E-05	LKWSHR, Bracket to Frame	2
8	8D-06	NUT, Clevis Jam	1	23	104645	BRACKET, Conduit Mounting	1
9	2J-6208	CLEVIS, Link Rod End	1	24	8D-06	NUT, Clevis Jam	1
10	4F-06106	PIN, Brake to Link Rod	1	25	1F-312	COTTER, Clevis Pin	1
11	1F-312	COTTER, Clevis Pin	1	26	4F-06106	PIN, Pivot Tube to Cable Clevis	1
12	4E-05	LKWSHR, Lever to Frame	4	27	2J-6208	CLEVIS, Brake Cable	1
13	2C-524	BOLT, Lever to Frame	4	28	526767	BUSHING, Pivot Tube	2
14	-----	LEVER, Parking Brake —See Index....	1	29	513311	PIVOT TUBE ASSY (Inc. 28)	1
15	2D-05	NUT, Lever to Frame	4	30	10H-25	FITTING, Shaft Grease	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2071-P

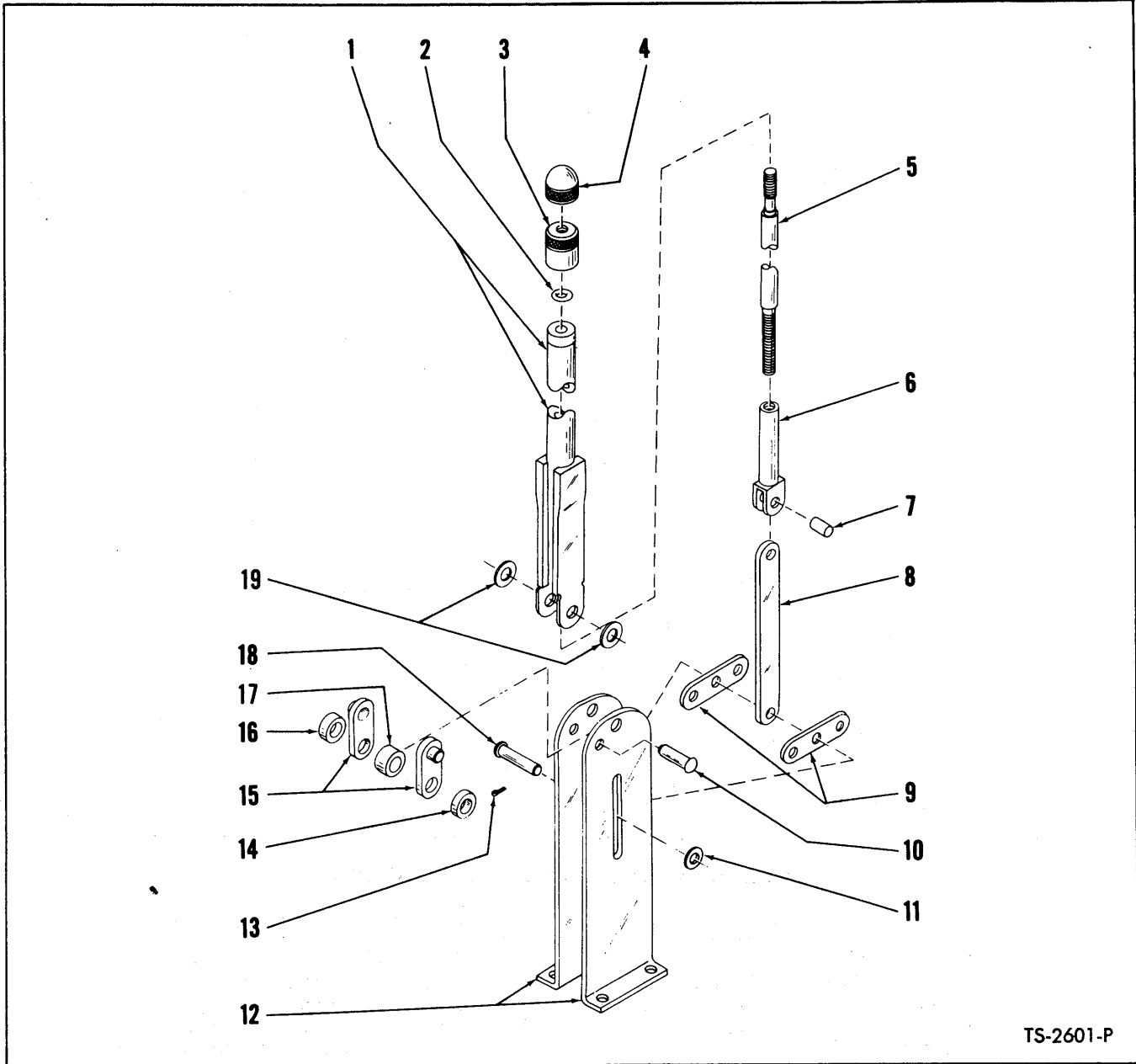
PARKING BRAKE CONTROLS

For Serial: CUMMINS - 2LC62 thru 2LC999

G.M. - 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	---	LEVER, Parking Brake—See Index	1	14	4F-06106	PIN, Clevis	1
2	2D-06	NUT, Lever Attaching	1	15	527924	SHAFT, Rod Connector	1
3	4E-06	LKWSHR, Lever Attaching	1	16	4F-06106	PIN, Clevis	1
4	551410	LEVER, Shaft to Rod	1	17	2J-6208	CLEVIS, Rod	1
5	5J-606	KEY, Lever	1	18	1F-312	COTTER, Clevis Pin	1
6	2C-628	BOLT, Lever Clamp	1	19	8D-06	NUT, Clevis Jam	1
7	1F-414	COTTER, Clevis Pin	1	20	527923	ROD, Shaft to Lever	1
8	4F-08127	PIN, Clevis	1	21	1F-210	COTTER, Clevis Pin	1
9	527928	ROD, Shaft to Brake Assy	1	22	4F-04051	PIN, Clevis	1
10	---	PARKING BRAKE ASSY — See Index	—	23	2D-05	NUT, Lever Attaching	4
11	8D-06	NUT, Clevis Jam	1	24	4E-05	LKWSHR, Lever Attaching	4
12	2J-6208	CLEVIS, Rod to Brake Assy	1	25	2C-520	BOLT, Lever Attaching	4
13	1F-312	COTTER, Clevis Pin	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



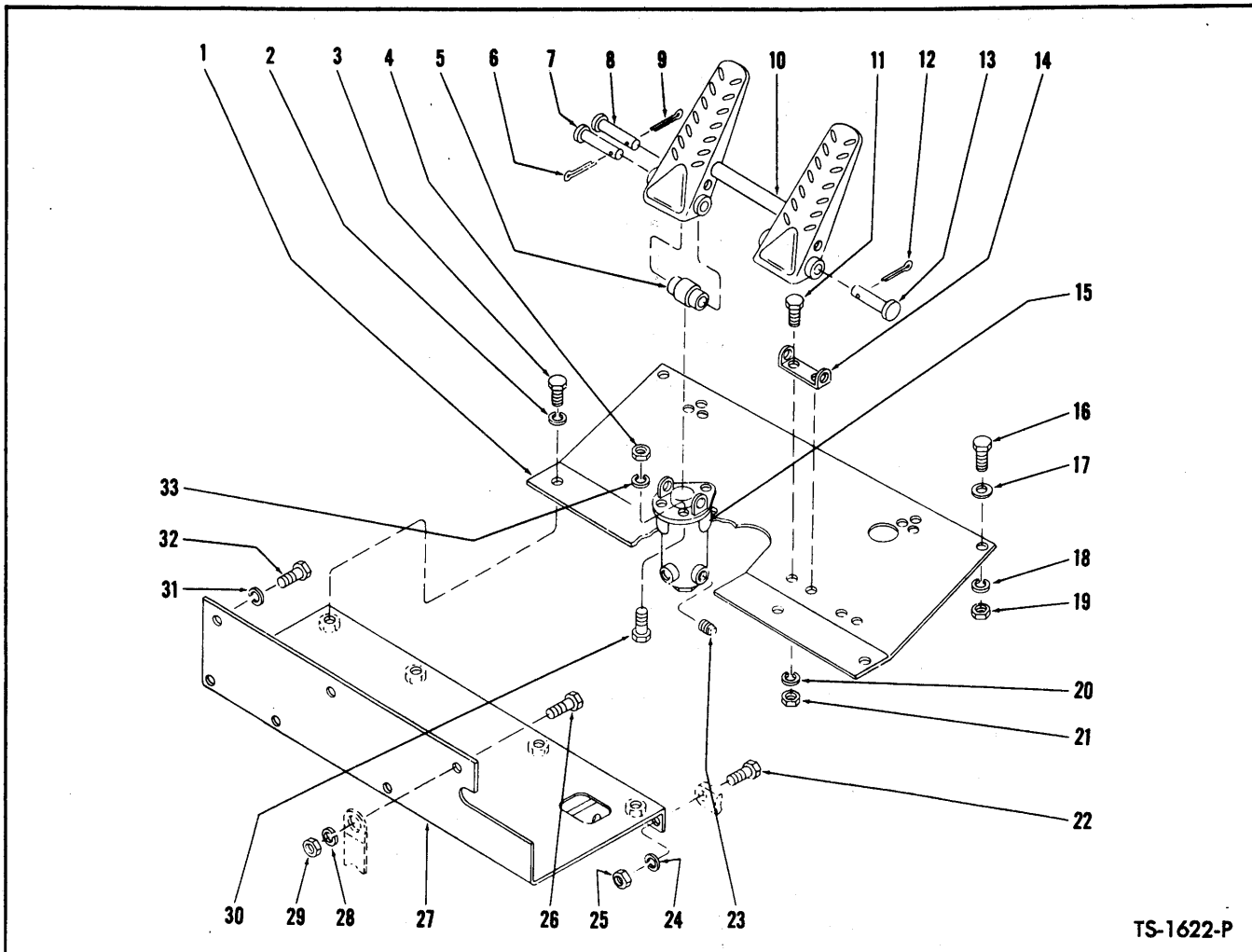
TS-2601-P

PARKING BRAKE LEVER ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	551742	LEVER ASSY (Inc. 1 thru 19)	1	12		BRACKET, Mounting	
1	941232	BODY, Lever	1	12A	946091	RIGHT HAND	1
2	946163	WASHER, to Body	1	12B	941235	LEFT HAND	1
3	949370	BASE, Adjusting Knob (Inc. 4)	1	13	1F-312	COTTER, Clevis Pin	1
4	-----	§CAP, Adjusting Knob - See 3	1	14	941234	SPACER	1
5	941237	ROD, Adjusting	1	15	862653	BRACKET, Pivot	2
6	862648	TUBE, Adjusting	1	16	941234	SPACER	1
7	941238	PIN, Tube to Link	1	17	603985	SPACER	1
8	862652	LINK, Body to Bracket	1	18	862738	PIN, Clevis	1
9	941236	LINK, Equalizer	2	19	25E-18	WASHER, Mounting	2
10	-----	§RIVET - See A	1				
11	25E-15	WASHER, Clevis Pin	1				

§ Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



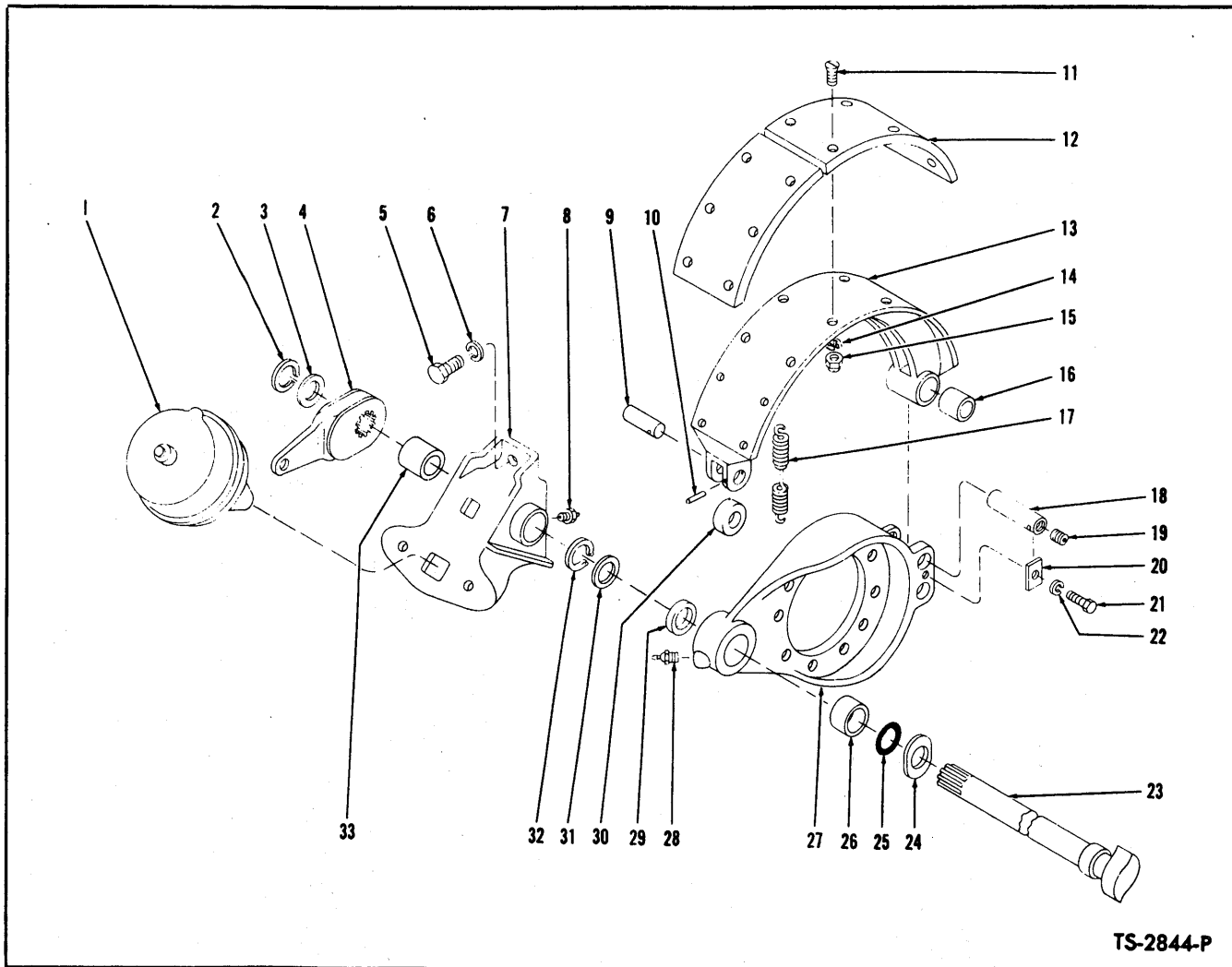
BRAKE CONTROLS AND FLOORBOARDS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1		FLOORBOARD, Front		15A	13F-04	†PLUG, Air Brake Valve	1
1A	525441	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	1	16	2C-620	BOLT, Front Floorboard to Frame	2
1B	528238	For Serial: Cummins — 2LC62 thru 2LC999; G.M. — 2LG101 thru 2LG999	1	17	25E-18	WASHER, Front Floorboard to Frame	2
2	4E-06	LKWSHR, Floorboard to Floorboard	4	18	4E-06	LKWSHR, Front Floorboard to Frame	2
3	2C-616	BOLT, Floorboard to Floorboard	4	19	2D-06	NUT, Front Floorboard to Frame	2
4	2D-05	NUT, Valve to Floorboard	3	20	4E-05	LKWSHR, Base to Floorboard	2
5	518259	ROLLER, Pedal	1	21	2D-05	NUT, Base to Floorboard	2
6	1F-312	COTTER, Clevis Pin	1	22	2C-620	BOLT, Rear Floorboard to Frame	2
7	875767	PIN, Pedal to Valve	1	23	13F-08	PLUG, Air Brake Valve	2
8	875766	PIN, Roller to Pedal	1	24	4E-06	LKWSHR, Rear Floorboard to Frame	2
9	1F-312	COTTER, Clevis Pin	1	25	2D-06	NUT, Rear Floorboard to Frame	2
10	518261	PEDAL, Air Brake	1	26	2C-624	BOLT, Rear Floorboard to Seat Angle	1
11	2C-514	BOLT, Base to Floorboard	2	27	512614	FLOORBOARD, Rear	1
12	1F-312	COTTER, Clevis Pin	1	28	4E-06	LKWSHR, Rear Floorboard to Seat Angle	1
13	875767	PIN, Pedal to Base	1	29	2D-06	NUT, Rear Floorboard to Seat Angle	1
14	513873	BASE, Pedal	1	30	2C-514	BOLT, Valve to Floorboard	3
15	945996	*VALVE, Air Brake—B.W. 277472	1	31	4E-06	LKWSHR, Rear Floorboard to Seat Angle	2
				32	2C-614	BOLT, Rear Floorboard to Seat Angle	2
				33	4E-05	LKWSHR, Valve to Floorboard	3

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service components of this part.

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2844-P

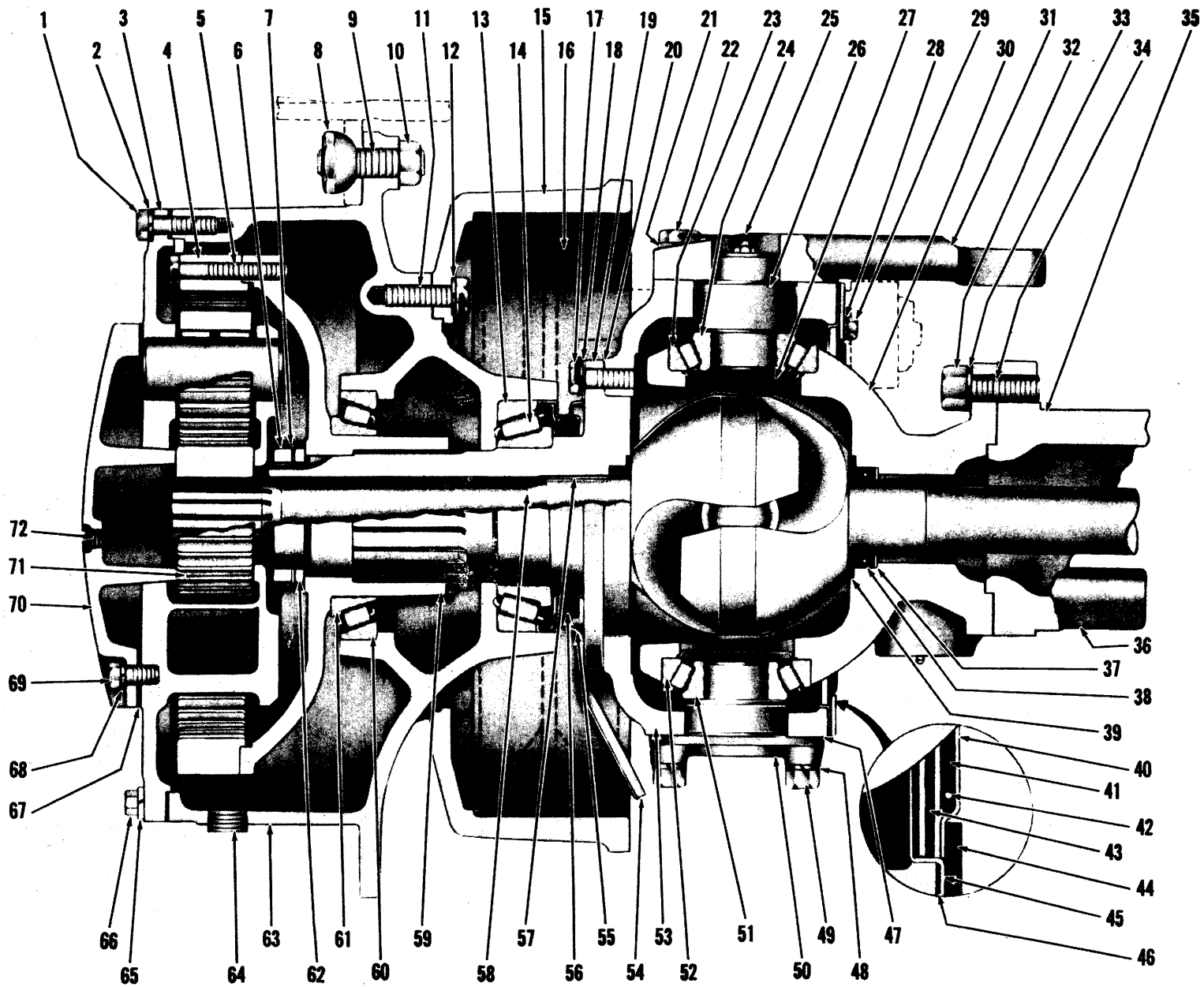
BRAKE ASSEMBLY – FRONT

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	815659	BRAKE ASSY (Inc. 9 thru 22, 27, 30)	1	17	114192	SPRING, Brake Shoe Return	2
1	109263	*AIR CHAMBER – B.W. 229380	2	17A	114193	†RETAINER, Brake Shoe Spring	2
2	659764	RING, Slack Adjuster Retaining	2	18	106689	PIN, Brake Shoe Anchor	4
3	107010	WASHER, Slack Adjuster Retaining	2	19	16F-04	PLUG, Anchor Pin	4
4	104214	*ADJUSTER, Slack – B.W. 222895	2	20	106690	LOCK, Anchor Pin	2
5	1C-1028	BOLT, Air Chamber Bracket	4	21	1C-512	BOLT, Anchor Pin Lock	2
6	4E-10	LKWSHR, Air Chamber Bracket	4	22	4E-05	LKWSHR, Anchor Pin Lock	2
7	104204	BRACKET, R.H. Air Chamber (Inc. 31)	1	23	107006	CAM SHAFT – L.H.	1
7A	104203	†BRACKET, L.H. Air Chamber (Inc. 31)	1	23A	107005	†CAM SHAFT – R.H.	1
8	10H-25	FITTING, Bracket Grease	2	24	107007	WASHER, Cam Shaft Thrust	2
9	106685	PIN, Brake Cam Roller	4	25	25K-60116	“O” RING, Cam Shaft	2
10	654724	PIN, Cam Roller Pin Lock	4	26	107003	BUSHING, Brake Spider	2
11	107706	SCREW, Lining to Shoe	48	27	106681	SPIDER, Brake	2
12	107882	LINING, Brake Shoe	8	28	14H-15	FITTING, Brake Spider Grease	2
13	815654	SHOE ASSY, Brake (Inc. 9 thru 12, 14, 15, 16, 17A, 30)	4	29	11E-134	RETAINER, Cam Shaft Grease	2
14	24E-06	LKWSHR, Lining to Shoe	48	30	104067	ROLLER, Brake Cam	4
15	2D-06	NUT, Lining to Shoe	48	31	107010	WASHER, Cam Shaft Retaining	2
16	106687	BUSHING, Brake Shoe	8	32	659764	RING, Cam Shaft Retaining	2
				33	102189	BUSHING, Air Chamber Bracket	2

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service and supply these parts.

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AXLE ASSEMBLY — REAR DRIVE STEER

TS-1568-P

AXLE ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126

G.M. — 2LG101 only

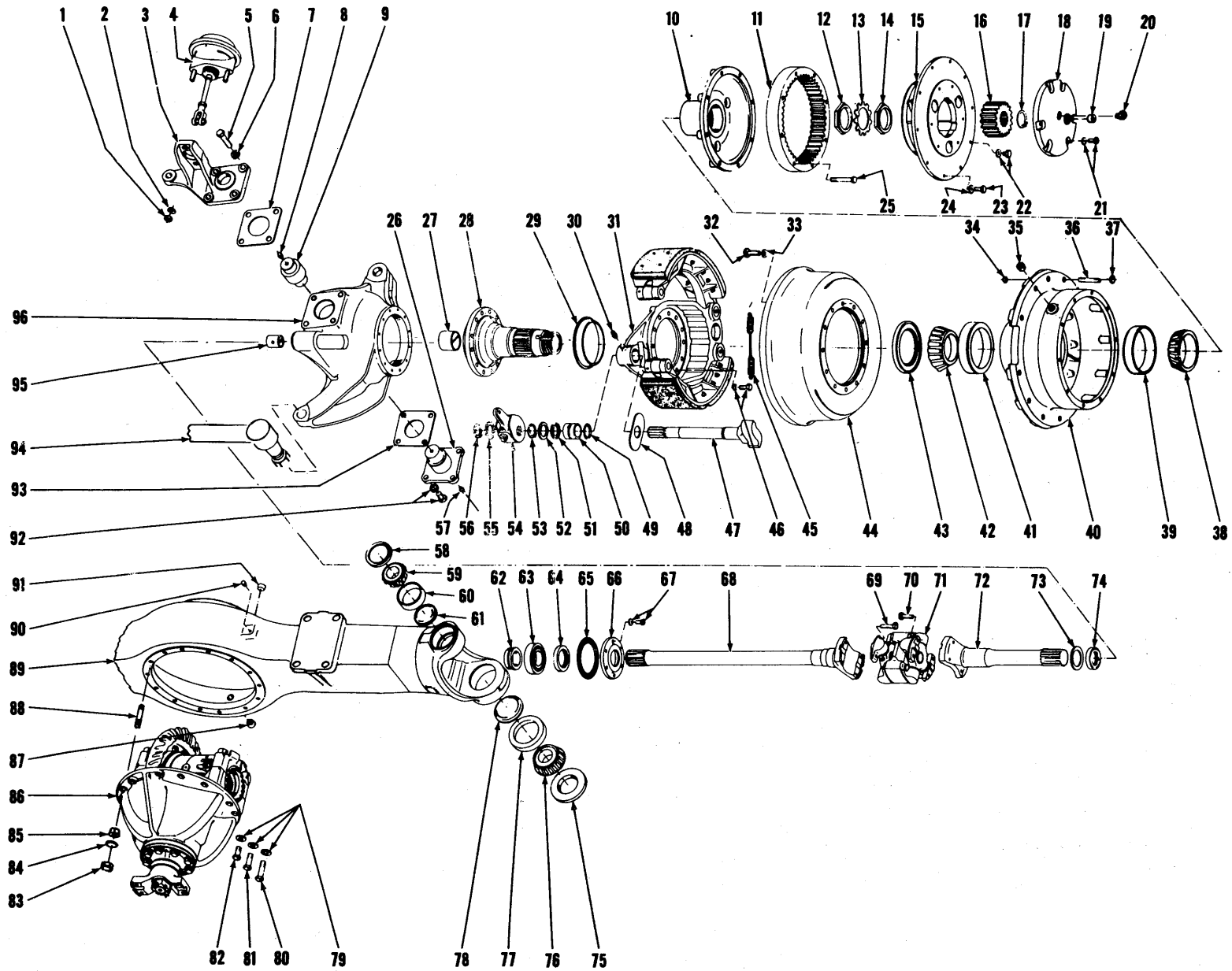
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130565	*AXLE ASSY (Inc. 1 thru 73)	1	35B	11F-12	†PLUG, Housing Drain	1
1	100970	BOLT, Planet Spider to Hub	20	35C	12F-204	†PLUG, Housing Expansion	1
2	106762	WASHER, Planet Spider to Hub	20	35D	106656	†BREATHER, Axle Housing	1
3	-----	PLANET SPIDER — See Index	—	36	-----	TIE ROD ASSY — See Index	—
4		<i>GEAR, Internal</i>		37	106297	WASHER, Oil Seal	2
4A	106233	For Serial: Cummins 2892 thru 2942, 2LC52 thru 2LC61	2	38	106296	SEAL, Universal Joint Oil	4
4B	110622	For Serial: Cummins — 2LC62 thru 2LC126 G.M. — 2LG101 only	2	39	106298	WASHER, Universal Joint Thrust	4
5		<i>BOLT, Internal Gear to Hub</i>		40	106286	RETAINER, Outer End Dust Seal	2
5A	106883	For Serial: Cummins—2892 thru 2942, 2LC52 thru 2LC61	16	41	106284	DUST SEAL, Outer End	2
5B	110624	For Serial: Cummins—2LC62 thru 2LC126 G.M. — 2LG101 only	16	42	106285	SPRING, Outer End Dust Seal	2
6	114433	NUT, Outer Spindle	2	43	106283	SEAL, Outer End Oil	2
7	101274	LOCK, Spindle Nut	2	44	107468	RING, Outer End Seal Retaining	4
8	103522	NUT, Wheel	20	45	107466	RETAINER, Outer End Oil Seal	2
9	103445	STUD, Wheel	20	46	107467	GASKET, Oil Seal Retainer	2
10	86D-12	NUT, Wheel Stud	20	47	127636	‡SHIM, Trunnion — Thick	—
11	107256	BOLT, Drum to Hub	24	47A	127637	‡SHIM, Trunnion — Medium	—
12	104412	WASHER, Drum to Hub	24	47B	127638	‡SHIM, Trunnion — Thin	—
13	672004	CUP, Inner Hub Bearing	2	48	4E-12	LKWSHR, Trunnion Bolt	12
14	672005	CONE, Inner Hub Bearing	2	49	17C-1228	BOLT, Trunnion	12
15	107493	DRUM, Brake	2	50	109886	TRUNNION, Flanged	2
16	-----	BRAKE ASSY — See Index	—	51	667277	CONE, Trunnion Bearing	2
17	107406	BOLT, Spindle Attaching	16	52	675258	CUP, Trunnion Bearing	2
17A	110693	BOLT, Spindle Attaching (Body Fit)	16	53	110689	SUPPORT, R.H. Spindle (Inc. 53B)	1
18	109076	LOCKCLIP, Spindle Bolt	16	53A	110690	SUPPORT, L.H. Spindle (Inc. 53B)	1
19	108576	SPINDLE ASSY (Inc. 57)	2	53B	102237	†BUSHING, Spindle Support	4
20	-----	USE PERMATEX #2 (No Gasket Needed)	—	54	107469	TROUGH, Oil Catcher	2
21	111656	WASHER, Steering Arm	4	55	106545	CATCHER, Oil	2
22	106313	BOLT, Steering Arm	4	56	128117	SEAL, Hub Oil	2
23	675258	CUP, Trunnion Bearing	2	57	106276	BUSHING, Spindle	2
24	667277	CONE, Trunnion Bearing	2	58	108416	SHAFT ASSY, Axle	2
25	10H-25	FITTING, Steering Trunnion Grease	2	59		<i>HUB, Internal Gear</i>	
26	109887	TRUNNION, Steering — R.H.	1	59A	106882	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	2
26A	107758	TRUNNION, Steering — L.H.	1	59B	110623	For Serial: Cummins — 2LC62 thru 2LC126 G.M. — 2LG101 only	2
27	106291	RETAINER, Trunnion Oil	2	60	668553	CUP, Outer Hub Bearing	2
28	4E-06	LKWSHR, Oil Seal Retainer	24	61	675261	CONE, Outer Hub Bearing	2
29	1C-612	BOLT, Oil Seal Retainer	24	62	114433	NUT, Inner Spindle	2
30	108415	OUTER END, Housing	2	63	107252	HUB ASSY (Inc. 13, 60)	2
30A	10F-12	†PLUG, Outer End Filler	2	64	11F-12	PLUG, Hub Filler	2
31	-----	**§ARM, Steering	1	65	3E-08	LKWSHR, Planet Puller Hole	4
32	107089	NUT, Outer End Stud	16	66	1C-808	BOLT, Planet Puller Hole	4
33	111656	WASHER, Outer End Stud	16	67	-----	Use PERMATEX #2	—
34	112158	STUD, Outer End	16	68	4E-07	LKWSHR, Sun Gear Thrust Cap	12
35	109093	HOUSING, Axle	1	69	1C-720	BOLT, Sun Gear Thrust Cap	12
35A	10F-12	†PLUG, Housing Filler	1	70	944277	CAP, Sun Gear Thrust (Inc. 70A)	2
				70A	111805	VALVE, Relief	2
				71	106246	GEAR, Sun	2
				72	11F-04	PLUG, Thrust Cap	2
				73	-----	†DIFF. & CARRIER ASSY—See Index	1

*NOTE: For complete replacement use 131197 Axle Assy listed on page 61; plus 1 — 530913 Cradle, 1 — 537511 Drag Link, 8 — 24C-1680 Bolts and 8 — 68D-16 Nuts.

**NOTE: For replacement use 1 — 815882 Arm -Steering, plus 4 — 17C-1240CR Capscrews.

†Not Illustrated
‡As Required

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



AXLE ASSEMBLY — REAR DRIVE STEER

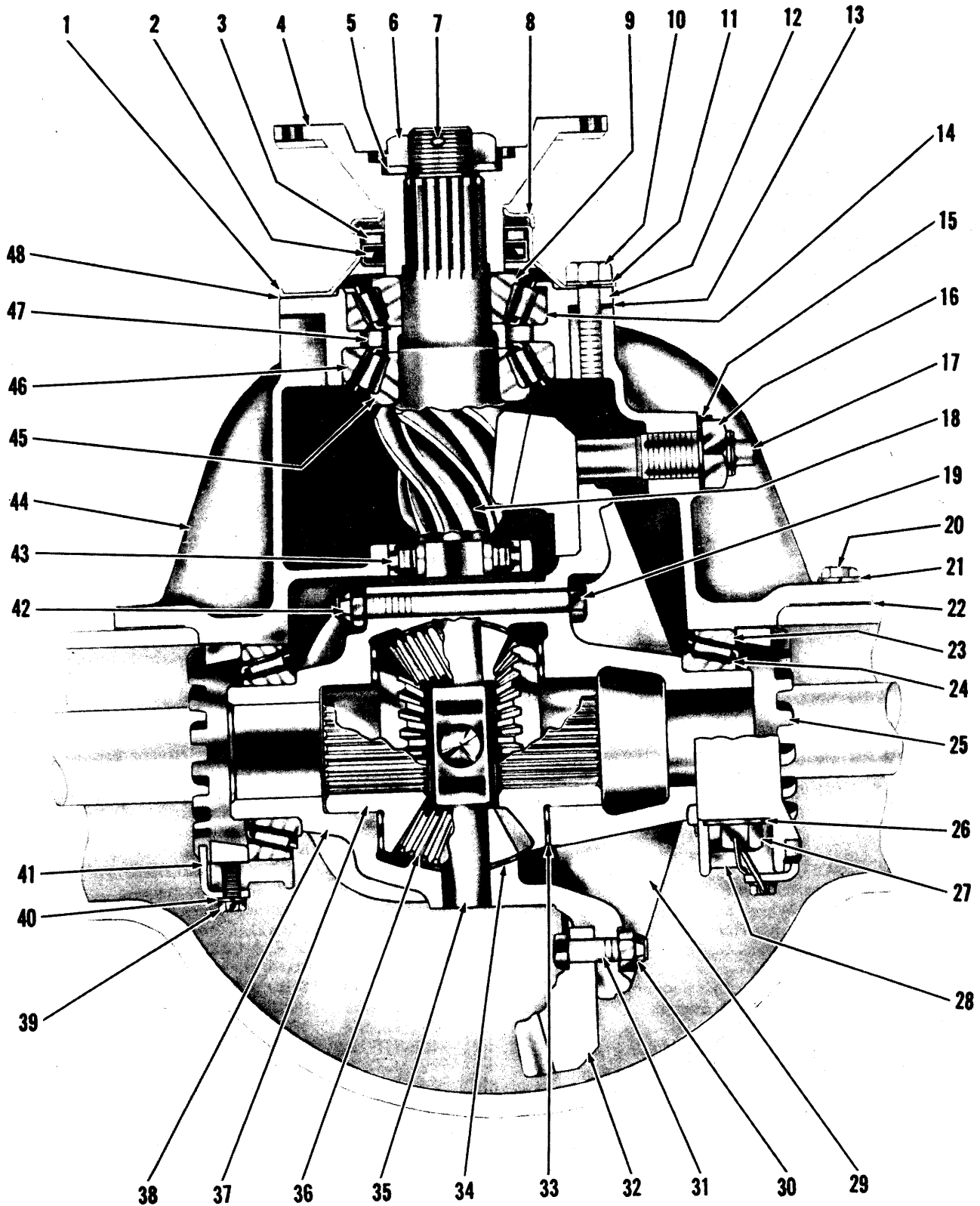
TS-3121-P

AXLE ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2LC127 thru 2LC999; G.M. — 2LG102 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	130996	AXLE ASSY (Inc. 1 thru 82, 86, 87, 89 thru 97) For Serial: Cummins— 2LC127 thru 2LC182; G.M.— 2LG102 thru 2LG145 (For complete axle replacement use 131197)	1	46	110958	BOLT, Spindle & Brake Attaching	24
B	131197	AXLE ASSY (Inc. 1 thru 96) For Serial: Cummins 2LC183 thru 2LC999; G.M. — 2LG146 thru 2LG999	1	46A	104412	WASHER, Spindle & Brake Attaching	24
1	8D-10	NUT, Air Chamber to Bracket	4	47	110964	CAM SHAFT — R.H.	1
2	4E-10	LKWSHR, Air Chamber to Bracket	4	47A	110965	CAM SHAFT — L.H.	1
3	110962	BRACKET, Air Chamber — R.H.	1	48	107735	WASHER, Cam Shaft Thrust	2
3A	111634	BRACKET, Air Chamber — L.H.	1	49	25K-60124	"O" RING, Cam Shaft	2
4	110203	*CHAMBER, Air (Inc. 4A) B.W. #229346	2	50	107739	BUSHING, Brake Spider	2
5	17C-1232	BOLT, Air Chamber Bracket	8	51	11E-135	RETAINER, Cam Shaft Grease	2
6	4E-12	LKWSHR, Air Chamber Bracket	8	52	107736	WASHER, Cam Shaft Retaining	2
7	127636	‡SHIM, Air Chamber Bracket—.010"	—	53	660516	RING, Cam Shaft Retaining	2
7A	127637	‡SHIM, Air Chamber Bracket—.007"	—	54	107247	*ADJUSTER, Slack—B.W. 222485	2
7B	127638	‡SHIM, Air Chamber Bracket—.004"	—	55	107010	WASHER, Slack Adjuster Retaining	2
8	10H-25	FITTING, Upper Trunnion Grease	2	56	659764	RING, Slack Adjuster Retaining	2
9	110906	TRUNNION, Steering — Upper	2	57	10H-25	FITTING, Lower Trunnion Grease	2
10	110553	HUB, Internal Gear	2	58	112050	SEAL, Upper Trunnion Oil	2
11	110622	GEAR, Internal	2	59	856071	CONE, Upper Trunnion Bearing	2
12	110559	NUT, Inner Spindle	2	60	662738	CUP, Upper Trunnion Bearing	2
13	118786	LOCK, Spindle Nut	2	61	106291	RETAINER, Upper Trunnion Oil	2
14	110559	NUT, Outer Spindle	2	62	109931	SLEEVE, Axle Shaft	2
15	—	*PLANET CARRIER — See Index	—	63	214596	BEARING, Axle Shaft	2
16	106232	GEAR, Sun	2	64	110897	SEAL, Axle Shaft Oil	2
17	224023	RING, Sun Gear Retaining	2	65	108663	GASKET, Bearing Retainer	2
18	815564	CAP, Sun Gear Thrust — See Note "A"	2	66	119366	RETAINER, Axle Shaft Bearing	2
19	11F-12	PLUG, Thrust Cap	2	67	1C-620	BOLT, Bearing Retainer	12
20	111805	VALVE, Relief	2	67A	4E-06	LKWSHR, Bearing Retainer	12
21	1C-720	BOLT, Thrust Cap	12	68	110959	SHAFT, Axle	2
21A	4E-07	LKWSHR, Thrust Cap	12	69	18C-836	BOLT, U-Joint to Axle Shaft	8
22	1C-808	BOLT, Planet Puller Hole Plug	4	70	18C-836	BOLT, U-Joint to Wheel Shaft	8
22A	3E-08	LKWSHR, Planet Puller Hole Plug	4	71	124652	U-JOINT ASSY (Inc. 71A, B, C, D)	2
23	100970	BOLT, Planet Carrier to Hub	20	71A	960111	†SPIDER & BEARING (Inc. 71D, 71E)	4
24	106762	WASHER, Planet Carrier to Hub	20	71B	944718	†COUPLING PLATE	2
25	110624	BOLT, Internal Gear to Hub	16	71C	18C-834	†BOLT, Spider & Brg. to Coupling Plate	16
26	110905	TRUNNION, Steering — Lower	2	71D	1300452	†FITTING, Spider Grease	4
27	110890	BUSHING, Spindle	2	71E	—	‡SEAL, Spider Grease	16
28	111728	SPINDLE ASSY (Inc. 27)	2	72	110960	SHAFT, Wheel	2
29	110942	CATCHER, Oil	2	73	110899	WASHER, Wheel Shaft Oil Seal	2
30	12H-15	FITTING, Spider Grease	2	74	110898	SEAL, Wheel Shaft Oil	2
31	—	BRAKE ASSY — See Index	—	75	112049	SEAL, Lower Trunnion Oil	2
32	107256	BOLT, Drum to Hub	24	76	784295	CONE, Lower Trunnion Bearing	2
33	104412	WASHER, Drum to Hub	24	77	784296	CUP, Lower Trunnion Bearing	2
34	103076	NUT, Wheel Stud	20	78	108665	RETAINER, Lower Trunnion Oil	2
35	11F-12	PLUG, Hub Filler	2	79	106547	WASHER, Carrier to Axle Housing	11
36	103445	STUD, Wheel	20	80	17C-940	BOLT, Carrier to Housing—2½" Long	2
37	103522	NUT, Wheel	20	81	17C-932	BOLT, Carrier to Housing—2" Long	2
38	742263	CONE, Outer Hub Bearing	2	82	17C-928	BOLT, Carrier to Housing—1¾" Long	7
39	742262	CUP, Outer Hub Bearing	2	83	2D-09	**NUT, Carrier to Housing	3
40	815574	HUB ASSY (Inc. 39, 41)	2	84	106547	**WASHER, Carrier to Housing	3
41	774024	CUP, Inner Hub Bearing	2	85	112295	**DOWEL, Carrier to Housing	3
42	774025	CONE, Inner Hub Bearing	2	86	—	DIFF. & CARRIER ASSY — See Index	—
43	125248	SEAL, Hub Oil	2	87	11F-12	PLUG, Housing Drain	1
44	112662	DRUM, Brake	2	88	112294	**STUD, Carrier to Housing	3
45	—	SPRING, Brake Shoe Return	—	89	110953	HOUSING, Axle	1
45A	110814	For Serial: Cummins — 2LC127 thru 2LC182 G.M. — 2LG102 thru 2LG145	2	90	106656	BREATHER, Axle Housing	1
45B	112215	Cummins — 2LC183 thru 2LC999; G.M. — 2LG146 thru 2LG999	2	91	11F-12	PLUG, Housing Filler	1
				92	17C-1232	BOLT, Lower Trunnion	8
				92A	4E-12	LKWSHR, Lower Trunnion	8
				93	127636	‡SHIM, Lower Trunnion—.010"	—
				93A	127637	‡SHIM, Lower Trunnion—.007"	—
				93B	127638	‡SHIM, Lower Trunnion—.004"	—
				94	—	TIE ROD ASSY — See Index	—
				95	102189	BUSHING, Spindle Support	2
				96	110954	SUPPORT ASSY, R.H. Spindle (In. 95)	1
				96A	110955	SUPPORT ASSY, L.H. Spindle (Inc. 95)	1
				97	10H-25	†FITTING, Support Grease	2

*NOTE: Your local authorized Bendix-Westinghouse Distributor is equipped to service and supply these parts.
 **Machines Serial: Cummins — 2LC162 thru 2LC999 and G.M. — 2LG117 thru 2LG999 were first equipped with items 83, 84, 85, 88.
 ‡As Required †Not Illustrated
 NOTE "A": 815564 also includes 6—112278 Washers, 1—113292 "O" Ring & 1—113291 Cap.



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

TS-1608-P



CONSTRUCTION MACHINERY DIVISION



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126

G.M. — 2LG101 only

Item No	Part No.	Description	No. Req'd.	Item No	Part No.	Description	No. Req'd.
A	111485	*DIFFERENTIAL & CARRIER ASSY (Inc. 1 thru 48)	1	24	654144	CONE, Bearing	2
1	101253	RETAINER, Pinion Oil Seal	1	25	123747	NUT, Adjusting	2
2	110897	SEAL, Pinion Oil	1	26	111658	WASHER, Carrier Cap	4
3	101256	GASKET, Pinion Oil	1	27	101210	BOLT, Carrier Cap	4
4	106244	FLANGE, Companion	1	28	-----	§CAP, Carrier (See 44)	2
5	101263	WASHER, Pinion Shaft	1	29	-----	§DIFFERENTIAL CASE (See 52)	1
6	101262	NUT, Pinion Shaft	1	30	86D-09	NUT, Ring Gear	12
7	1F-732	COTTER, Pinion Shaft	1	31	101196	BOLT, Ring Gear	12
8	101261	DUST SHIELD, Pinion	1	32	-----	§RING GEAR (See 51)	1
9	667277	CONE, Outer Pinion Bearing	1	33	118474	WASHER, Side Gear Thrust	2
10	1C-928	BOLT, Oil Seal	7	34	101244	WASHER, Pinion Thrust	4
10A	1C-828	BOLT, Oil Seal Locating	1	35	117022	SPIDER, Differential	1
11	4E-09	LKWSHR, Oil Seal	7	36	101241	PINION, Differential	4
11A	4E-08	LKWSHR, Oil Seal Locating	1	37	104167	GEAR, Differential Side	2
12	101250	CAGE ASSY, Pinion Bearing	1	38	-----	§DIFF CASE, Plain Half (See 52)	1
13	101257	‡SHIM, Bearing — .004	—	39	3C-614	BOLT, Adjusting	2
13A	125567	‡SHIM, Bearing — .007	—	40	4E-06	LKWSHR, Adjustment Bolt	2
13B	125568	‡SHIM, Bearing — .010	—	41	100941	LOCK, Nut	2
14	667278	CUP, Outer Pinion Bearing	1	42	86D-08	NUT, Differential Case Bolt — ½"	8
15	101227	LOCK, Nut	1	42A	86D-09	NUT, Differential Case Bolt — ⅞"	8
16	8D-18	NUT, Thrust Screw	1	43	667466	BEARING, Inner Pinion	1
17	101226	SCREW, Thrust	1	44	815781	CARRIER ASSY, Differential	1
18	-----	§PINION (See 51)	1	45	667276	CONE, Center Pinion Bearing	1
19	101246	BOLT, Differential Case — ½"	8	46	658988	CUP, Center Pinion Bearing	1
19A	111348	BOLT, Differential Case — ⅞"	8	47	815172	SPACER & SHIM KIT, Pinion Bearing	1
20	1C-824	BOLT, Carrier 1½ in.	12	48	-----	*GASKET, Oil Seal	1
20A	1C-828	BOLT, Carrier 1¾ in.	2	49	111486	†DIFF. ASSY (Inc. 30, 31, 50, 51)	1
21	4E-08	LKWSHR, Carrier	14	50	111344	†DIFFERENTIAL BODY SUB-ASSY (Inc. 33, 35 thru 37, 52)	1
22	-----	Use Perma-Tex #2	—	51	815201	†GEAR & PINION SET (Inc. 18, 32)	1
23	667275	CUP, Differential Bearing	2	52	815395	†DIFFERENTIAL CASE KIT (Inc. 19A, 29, 34, 38, 42A)	1

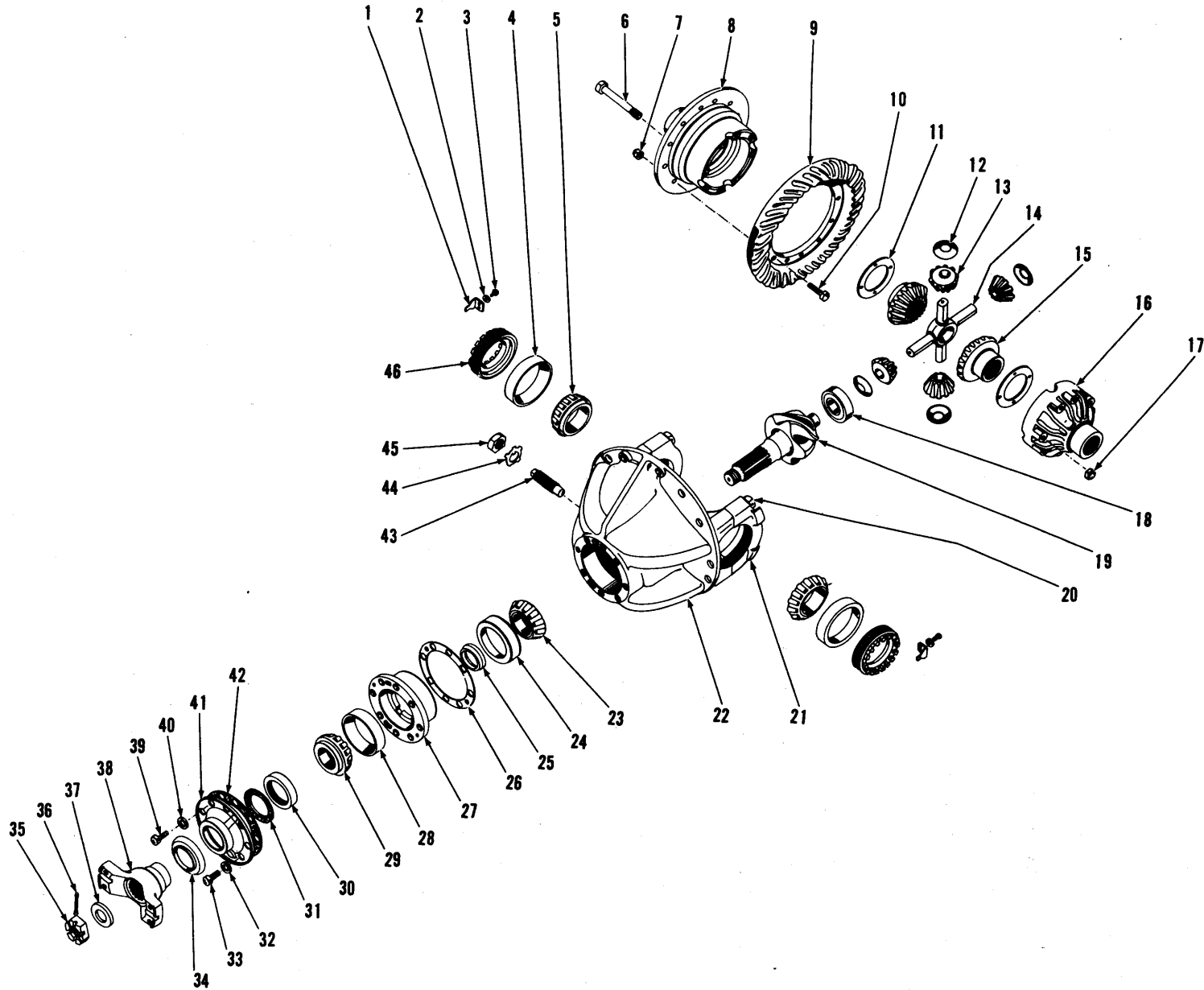
‡As Required

§ Not Sold Separately

†Not Illustrated

*NOTE: For replacement use Loctite #277.

*NOTE: For replacement use 815626 Kit, which consists of 1—122810 Differential & Carrier Assy., 1—17C-840 Capscrew, 14—106762 Capscrew Washer, 14—112286 Stud, 3—112287 Stud Dowel, & 14—64D-08 Stud Nut.



DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

TS-2649-P

DIFFERENTIAL AND CARRIER ASSEMBLY — REAR DRIVE STEER

For Serial: CUMMINS — 2LC127 thru 2LC999

G.M. — 2LG102 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A		DIFF. & CARRIER ASSY (Inc. 1 thru 50)		24	675262	CUP, Center Pinion Bearing	1
B	815511	*For Serial: Cummins — 2LC127 thru 2LC161 G.M. — 2LG102 thru 2LG116	1	25	815200	SPACER, Pinion Bearing	1
C	815511	For Serial: Cummins — 2LC162 thru 2LC999; G.M. — 2LG117 thru 2LG999	1	26	114351	‡SHIM, Bearing Cage — .004"	—
1	100941	LOCK, Differential Adjusting Nut	2	26A	101219	‡SHIM, Bearing Cage — .007"	—
2	4E-06	LKWSHR, Adjusting Nut Lock	2	26B	125579	‡SHIM, Bearing Cage — .010"	—
3	3C-614	BOLT, Adjusting Nut Lock	2	27	101211	**CAGE ASSY, Pinion Bearing (Inc. 24, 28)	1
4	675252	CUP, Differential Bearing	2	28	675259	CUP, Outer Pinion Bearing	1
5	675254	CONE, Differential Bearing	2	29	675260	CONE, Outer Pinion Bearing	1
6	111353	BOLT, Differential Case	8	30	111721	SEAL, Pinion Oil	1
7	86D-09	NUT, Ring Gear Bolt	12	31	101217	GASKET, Pinion Oil Seal	1
8	-----	§DIFF. CASE — Flange Half — (See 50)	1	32	4E-10	LKWSHR, Oil Seal Retainer	7
9	-----	§RING GEAR — (See 49)	1	33	1C-1032	BOLT, Oil Seal Retainer	7
10	101196	BOLT, Ring Gear	12	34	101222	DEFLECTOR, Pinion Dust	1
11	118478	WASHER, Side Gear Thrust	2	35	101223	NUT, Pinion Shaft	1
12	111352	WASHER, Differential Pinion Thrust	4	36	1F-740	COTTER, Pinion Shaft Nut	1
13	815746	PINION, Differential	4	37	101224	WASHER, Pinion Shaft Nut	1
14	117105	SPIDER, Differential	1	38	106209	FLANGE, Companion	1
15	106206	GEAR, Differential Side	2	39	1C-828	BOLT, Oil Seal Retainer Locating	1
16	-----	§DIFF. CASE — Plain Half — (See 50)	1	40	4E-08	LKWSHR, Oil Seal Retainer Locating	1
17	86D-10	NUT, Differential Case Bolt	8	41	101214	RETAINER, Pinion Oil Seal	1
18	675265	BEARING, Inner Pinion	1	42	107483	GASKET, Oil Seal Retainer	1
19	-----	§PINION, Differential — (See 49)	1	43	-----	§SCREW, Thrust — See A	1
20	101210	BOLT, Differential Carrier Cap	4	44	-----	§LOCK, Thrust Screw Nut — See A	1
20A	111658	†WASHER, Carrier Cap Bolt	4	45	-----	§NUT, Thrust Screw — See A	1
21	-----	§CAP, Differential Carrier — (See 22)	2	46	123748	NUT, Differential Adjusting	1
22	815521	*CARRIER ASSY, Diff. (Inc. 20, 20A, 21)	1	47	108815	DIFFERENTIAL ASSY (Inc. 6 thru 17, 19)	1
23	675263	CONE, Center Pinion Bearing	1	48	111349	DIFF. BODY SUB ASSY (Inc. 6, 8, 11 thru 17)	1
				49	815326	GEAR & PINION SET (Inc. 9, 19)	1
				50	815396	DIFF. CASE KIT (Inc. 6, 8, 12, 16, 17)	1

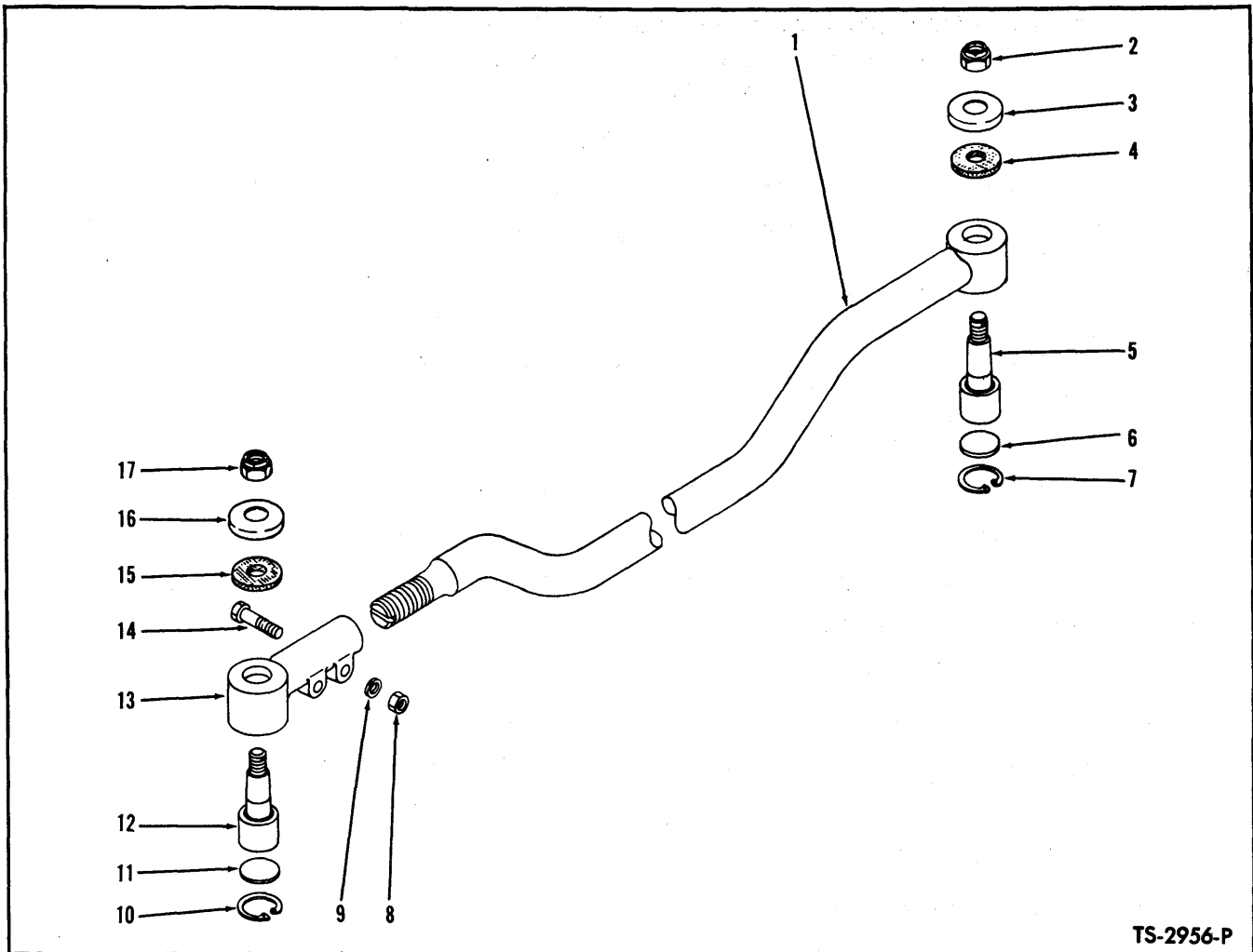
*NOTE: 815521 & 815511 also includes 3—2D-09 Nut, 7—17C-928 Bolt, 2—17C-932 Bolt, 2—17C-940 Bolt, 3—112294 Stud, 3—112295 Dowel, 14—106547 Washer.

§Not Sold Separately

†Not Illustrated

‡As Required

**NOTE: For replacement use 815987 Kit, which consists of 1—107477 Pinion Bearing Cage Assy., consisting of 1—107478 Bearing Cage, 1—675259 Bearing Cup, 1—655262 Bearing Cup; 1—122734 Pinion Oil Seal Retainer, and 1—118068 Pinion Oil Seal.



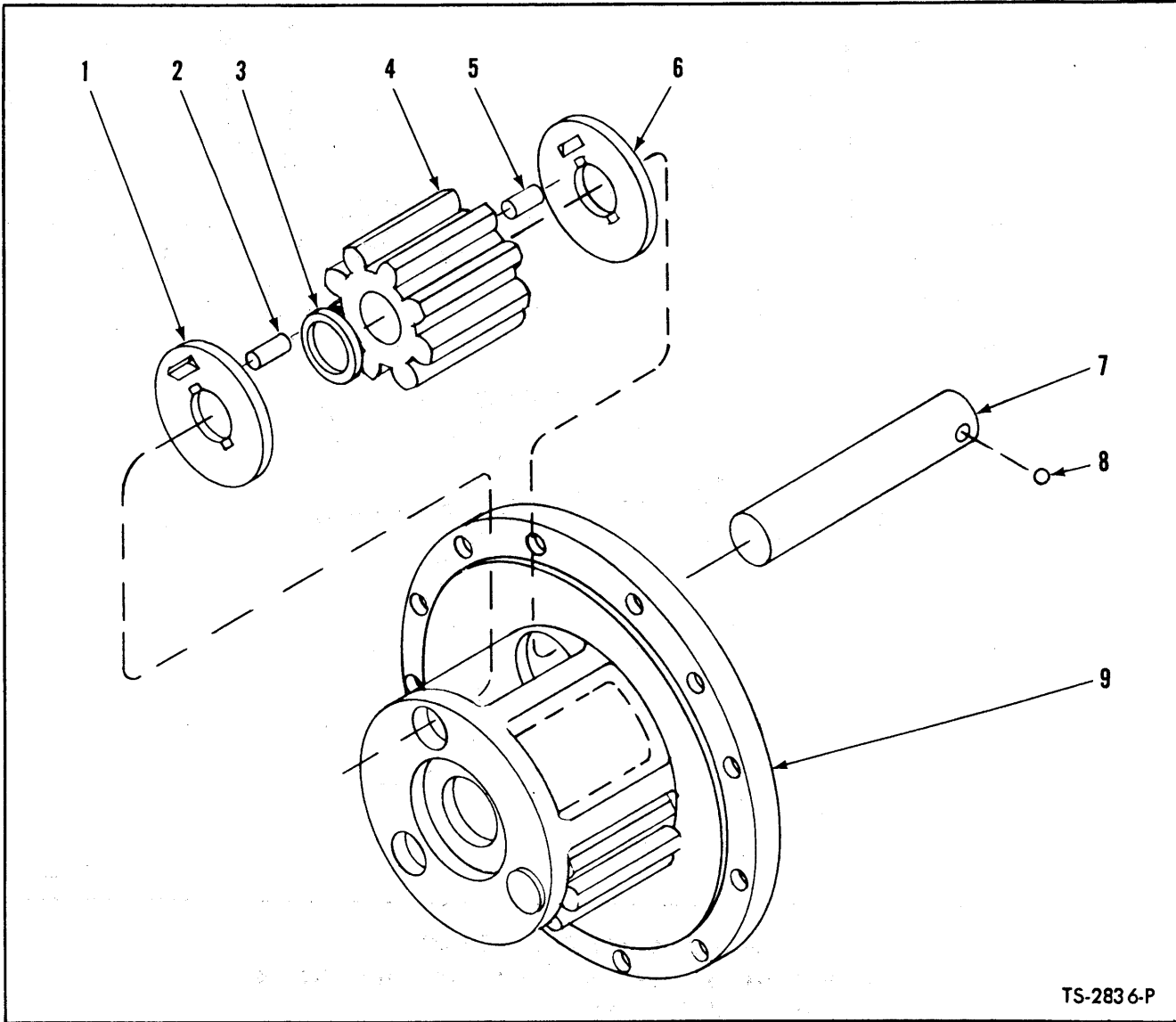
TS-2956-P

TIE ROD ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	112341	TIE ROD ASSY (Inc. 1, 5 thru 14)	1	9	4E-10	LKWSHR, End to Tie Rod	2
B	112344	END ASSY, Tie Rod (Inc. 8 thru 14)	1	10	661416	RING, Plate Retaining	1
1	—	§TIE ROD — See "A"	1	11	541880	PLATE, Ball Stud Retaining	1
2	112175	NUT, Ball Stud	1	12	523461	BALL STUD	1
3	106267	RETAINER, Felt	1	13	—	§HOUSING, End — See "B"	1
4	106266	FELT, Ball Stud Dust	1	14	2C-1040	BOLT, End to Tie Rod	2
5	523461	BALL STUD	1	15	106266	FELT, Ball Stud Dust	1
6	541880	PLATE, Ball Stud Retaining	1	16	106267	RETAINER, Felt	1
7	661416	RING, Plate Retaining	1	17	112175	NUT, Ball Stud	1
8	2D-10	NUT, End to Tie Rod	2				

§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2836-P

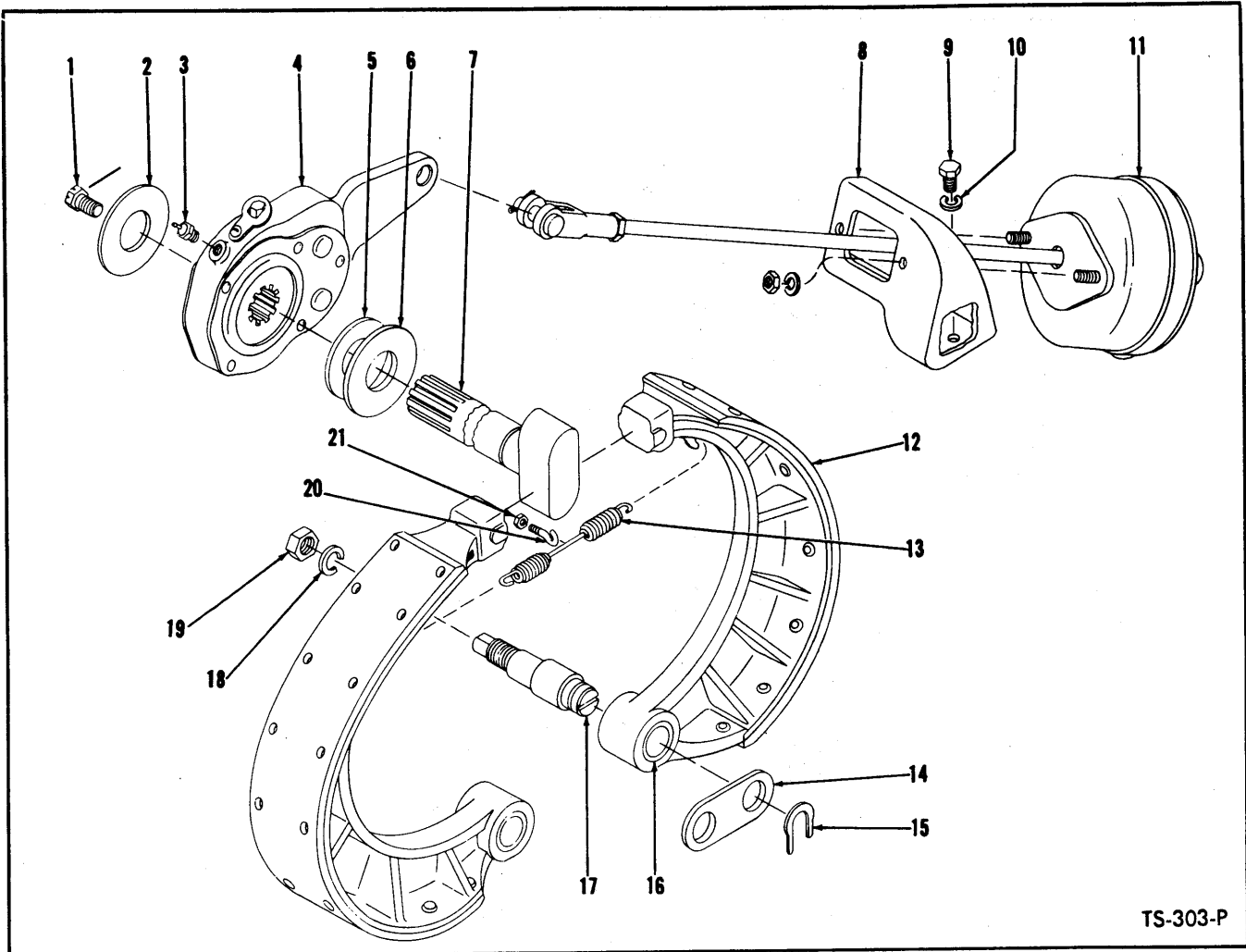
PLANET SPIDER ASSEMBLY

4 Planet Spiders Used on Machine – Quantity Indicated Is for 1 Planet Spider

Item No.	Part No.	Description	No. Req'd.
A	945125	*PLANET SPIDER ASSY (Inc. 1 thru 9)	1
1	106357	WASHER, Pinion Thrust	3
2	106358	ROLLER, Pinion Needle	75
3	106359	SPACER, Roller	3
4	106356	PINION, Planet	3
5	106358	ROLLER, Pinion Needle	75
6	106357	WASHER, Pinion Thrust	3
7	106355	SHAFT, Pinion	3
8	10J-12	BALL, Pinion Shaft Lock	3
9	945126	*SPIDER, Planet	1

*NOTE: 945125 & 945126 also includes 5 each of 113016 Studs, 112287 Dowels, 64D-08 Nuts & 106762 Washers to replace the existing Spider to Hub Bolts.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-303-P

BRAKE ASSEMBLY — REAR

**For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC126
G.M. — 2LG101 only**

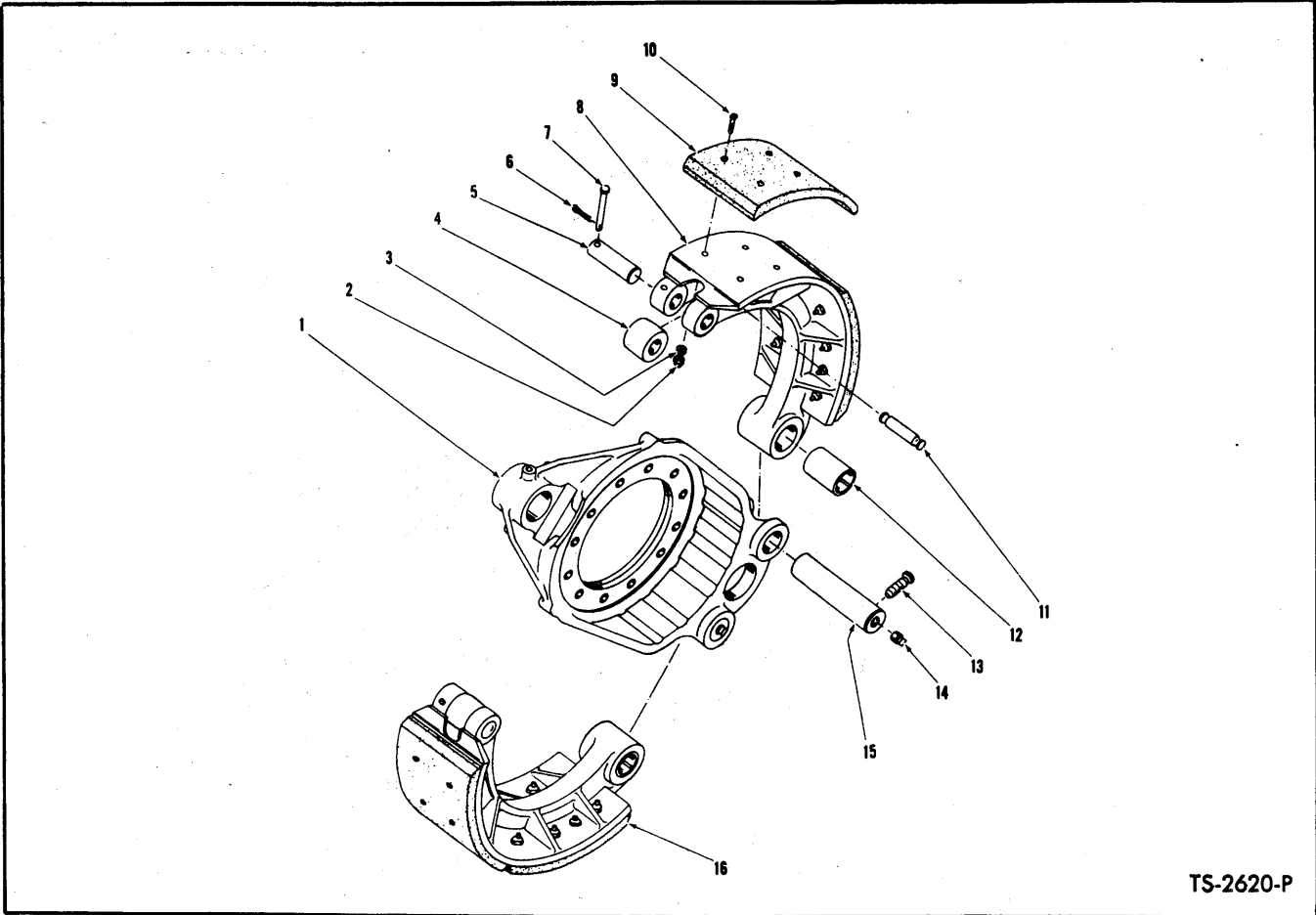
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	3C-616	BOLT, Slack Adjuster	2	11	110122	*AIR CHAMBER — B.W. #227637	2
1A	—	LOCKWIRE, Slack Adj. Bolt (18 Ga.)	2	12	124467	SHOE ASSY, Brake (Inc. 12A, 12B & 16)	4
2	102259	WASHER, Slack Adjuster Retaining	2	12A	945611	†LINING, Brake	4
3	10H-25	FITTING, Slack Adjuster Grease	2	12B	3H-1216	†RIVET, Brake Lining	56
4	103218	ADJUSTER, Slack — R.H.	1	13	102898	SPRING, Brake Shoe Return	2
4A	103219	†ADJUSTER, Slack — L.H.	1	14	107246	STRUT, Anchor Pin	2
4B	103990	†‡SHIM, Cam Shaft & Slack Adjuster	—	15	100613	"C" WASHER, Anchor Pin	4
5	616836	WASHER, Slack Adjuster Thrust	2	16	107245	BUSHING, Brake Shoe	4
6	101961	WASHER, Cam Shaft Thrust	2	17	107201	PIN, Brake Anchor	4
7	107473	CAM SHAFT — R.H.	1	18	4E-14	LKWSHR, Anchor Pin	4
7A	107474	†CAM SHAFT — L.H.	1	19	2D-14	NUT, Anchor Pin	4
8	107470	BRACKET, Air Chamber — R.H.	1	20	107475	HOOK, Spring	2
8A	107471	†BRACKET, Air Chamber — L.H.	1	21	1D-04	NUT, Spring Hook	2
9	1C-824	BOLT, Air Chamber Bracket	4				
10	4E-08	LKWSHR, Air Chamber Bracket	4				

‡As Required

†Not Illustrated

*NOTE: Your local authorized Bendix-Westinghouse service station is equipped to service components of this part.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2620-P

BRAKE ASSEMBLY – REAR

For Serial: CUMMINS – 2LC127 thru 2LC182

G.M. – 2LG102 thru 2LG145

Item No.	Part No.	Description	No. Req'd.
A	110949	*BRAKE ASSY (Inc. 1 thru 16)	2
Note: 2 brake assemblies used on axle – Quantities listed below are for 1 brake assembly.			
1	110950	SPIDER, Brake	1
2	2D-06	NUT, Lining to Shoe	32
3	24E-06	LKWSHR, Lining to Shoe	32
4	107707	ROLLER, Brake Cam	2
5	109598	PIN, Brake Cam Roller	2
6	1F-308	COTTER, Roller Pin Lock Pin	2
7	110855	PIN, Cam Roller Pin Lock – See Note "A"	2
8	-----	§SHOE, Brake – (See 16)	2
9	111052	LINING, Brake Shoe	4
10	107706	SCREW, Lining to Shoe	32
11	110124	PIN, Spring Anchor	2
12	107709	BUSHING, Brake Shoe	2
13	109597	SET SCREW, Anchor Pin	2
14	16F-04	PLUG, Anchor Pin	2
15	109599	PIN, Brake Shoe Anchor	2
16	111049	**SHOE ASSY, Brake (Inc. 2 thru 12)	2

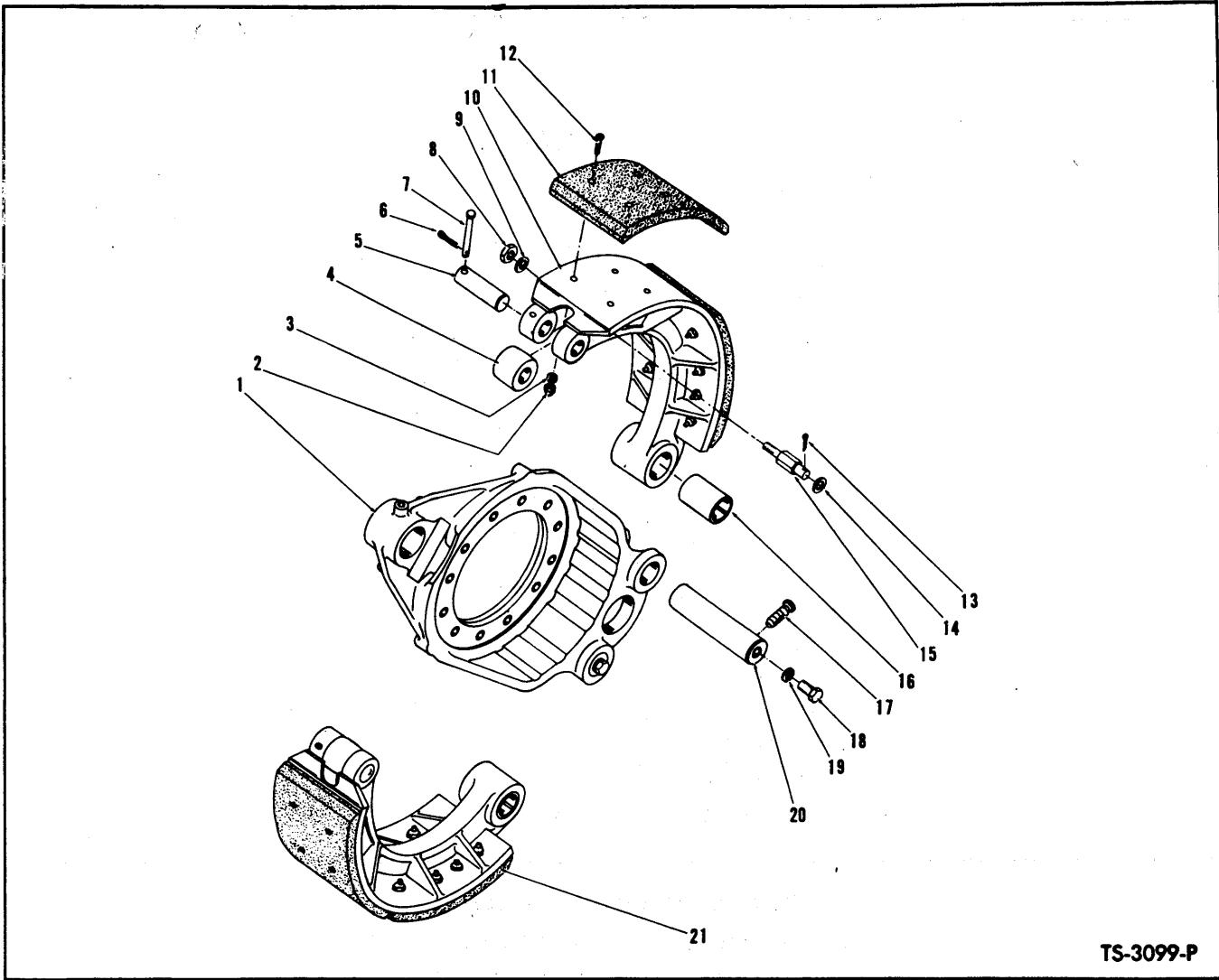
§Not Sold Separately

*NOTE: For replacement use 111581 Brake Assembly.

**NOTE: For replacement use 122109 Brake Shoe Assembly.

NOTE "A": For replacement use 815971 Kit, which consists of 1-123821 Roll Pin plus 1-123823 Roll Pin.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-3099-P

BRAKE ASSEMBLY – REAR

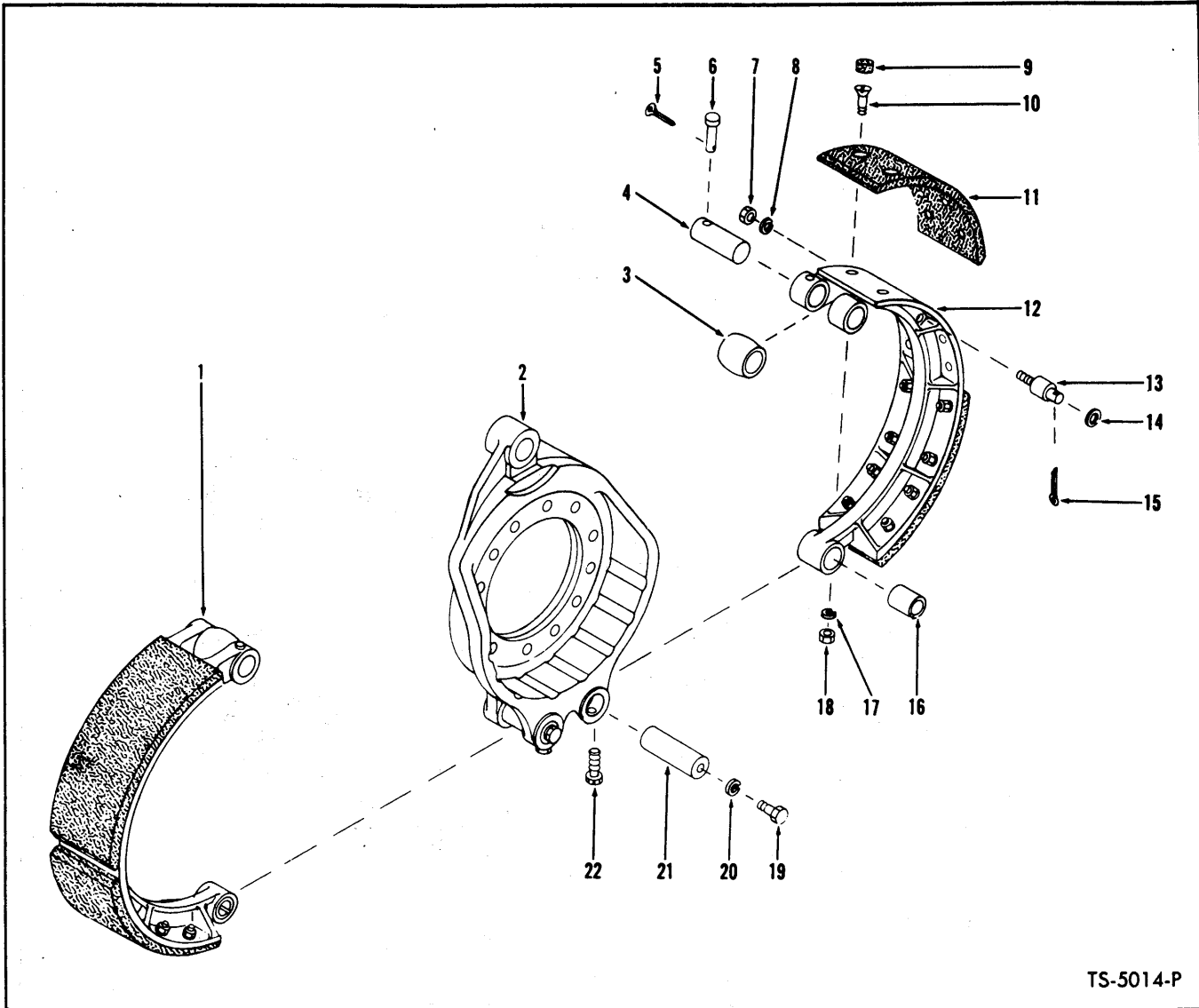
**For Serial: CUMMINS – 2LC183 thru 2LC999
G.M. – 2LG146 thru 2LG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	112407	BRAKE ASSY (Inc. 1 thru 12, 15 thru 21)	2	10	-----	§SHOE, Brake	2
NOTE: Two Brake Assemblies used on Rear Axle, Quantities listed below cover one brake assembly.				11	112411	LINING, Brake Shoe	4
1	112408	SPIDER, Brake	1	12	107706	SCREW, Lining to Shoe	32
2	2D-06	NUT, Lining to Shoe	32	13	1F-412	COTTER, Spring Anchor Pin	2
3	24E-06	LKWSHR, Lining to Shoe	32	14	25E-21	WASHER, Spring Anchor Pin	2
4	112210	**ROLLER, Brake Cam	2	15	112216	PIN, Spring Anchor	2
5	112211	**PIN, Brake Cam Roller	2	16	112212	**BUSHING, Brake Shoe	2
6	1F-308	COTTER, Roller Pin Lock Pin	2	17	109597	SCREW, Anchor Pin Set	2
7	110855	PIN, Cam Roller Pin Lock—See Note "A"	2	18	1C-812	BOLT, Anchor Pin Puller Hole	2
8	2D-06	NUT, Spring Anchor Pin	2	19	4E-08	LKWSHR, Puller Hole Bolt	2
9	4E-06	LKWSHR, Spring Anchor Pin	2	20	112213	PIN, Brake Shoe Anchor	2
				21	112207	*SHOE ASSY, Brake (Inc. 2 thru 7, 10, 11, 12, 16)	2

§ Not Sold Separately NOTE "A": For replacement use 815971 Kit, which consists of 1-123821 Roll Pin plus 1-123823 Roll Pin.

*NOTE: For replacement use 116885 Brake Shoe Assembly.

**NOTE: For replacement use 840581 Kit, which consists of 2-126246 Roller, 4-25K-40028 "O" Ring, 2-126247 Pin, 4-126248 Bushing, 2-123821 Pin, and 2-123823 Pin.



TS-5014-P

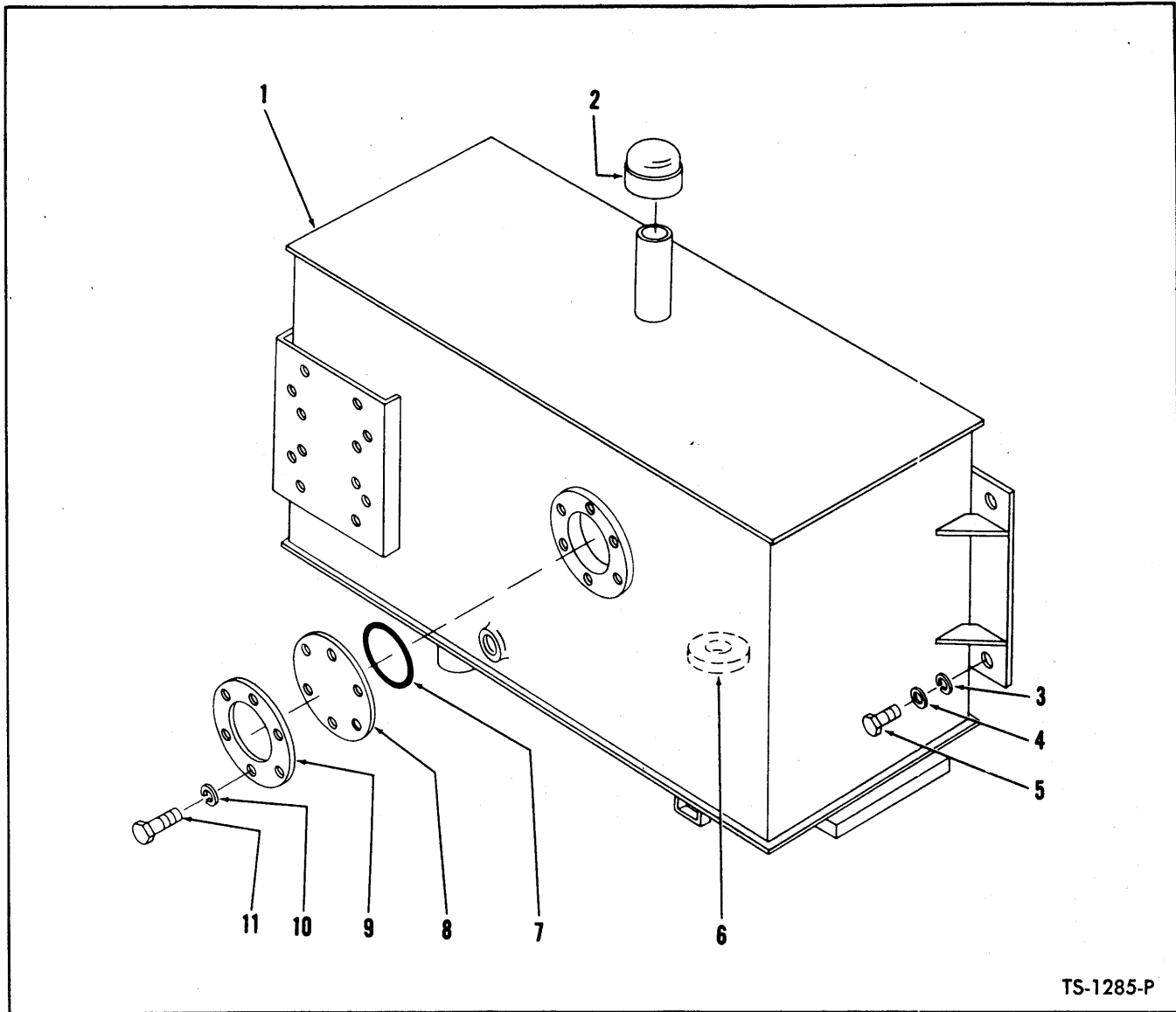
BRAKE ASSEMBLY — FRONT AND REAR

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	116884	BRAKE ASSY (Inc. 1 thru 13, 16 thru 22)	4	11		LINING, Brake Shoe	
NOTE: Four Brakes are used on machine — Quantities listed below are for 1 Brake				11A	116887	STANDARD	4
1	116885	SHOE ASSY, Brake (Inc. 3 thru 6, 9 thru 12, 16 thru 18)	2	11B	116888	OVERSIZE (1/8")	4
2	112410	SPIDER, Brake	1	12	—	§SHOE, Brake — See 1	2
3	112210	*ROLLER, Brake Cam	2	13	112216	PIN, Spring Anchor	2
4	112211	*PIN, Brake Cam Roller	2	14	25E-21	WASHER, Spring Anchor Pin	2
5	1F-308	COTTER, Roller Pin Lock	2	15	1F-412	COTTER, Spring Anchor Pin	2
6	110855	**PIN, Cam Roller Pin Lock	2	16	112212	*BUSHING, Brake Shoe	2
7	2D-06	NUT, Spring Anchor Pin	2	17	24E-06	LKWSHR, Lining to Shoe	32
8	4E-06	LKWSHR, Spring Anchor Pin	2	18	2D-06	NUT, Lining to Shoe	32
9	113249	PLUG, Brake Lining	32	19	1C-812	BOLT, Puller Hole Plug	2
10	107706	BOLT, Lining to Shoe	32	20	4E-08	LKWSHR, Puller Hole Plug	2
				21	112213	PIN, Anchor	2
				22	109597	SCREW, Anchor Pin Set	2

§ Not Sold Separately

*NOTE: For replacement use 840581 Kit, which consists of 2—126246 Roller, 4—25K-40028 O-Ring, 2—126247 Pin, 4—126247 Pin, 4—126248 Bushing, 2—123821 Pin, & 2—123823 Pin.

**NOTE: For replacement use 815971 Kit, which consists of 1—123821 Roll Pin plus 1—123823 Roll Pin.



TS-1285-P

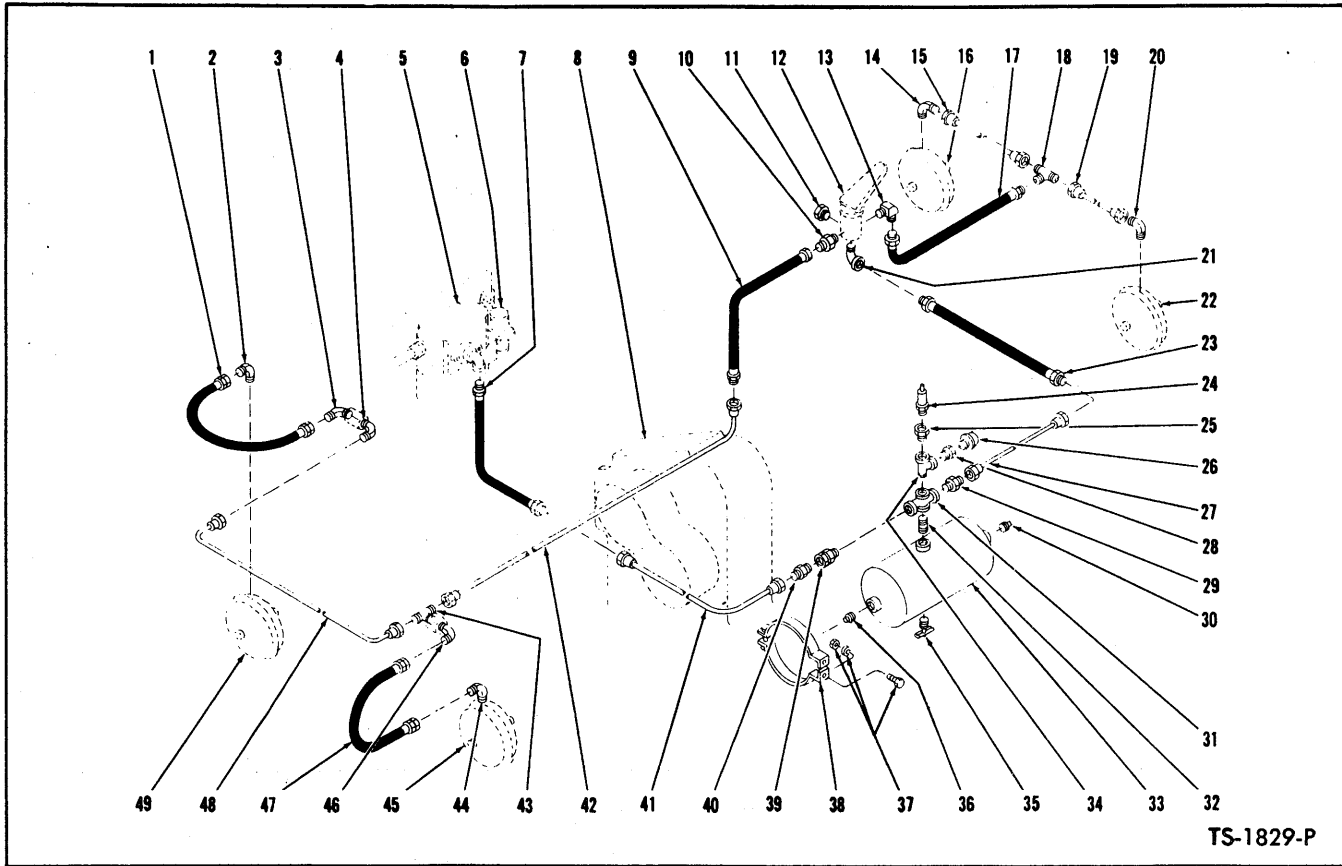
HYDRAULIC OIL RESERVOIR

Item No.	Part No.	Description	No. Req'd.
1	535101	*RESERVOIR, Hydraulic Oil	1
2	604639	CAP, Reservoir Breather	1
3	4E-08	LKWSHR, Reservoir to Frame	3
4	25E-21	WASHER, Reservoir to Frame	3
5	2C-816	BOLT, Reservoir to Frame	3
6	525293	MAGNET, Reservoir	1
7	25K-40428	"O" RING, Inspection Cover	1
8	550389	COVER, Reservoir Inspection	1
9	550398	RING, Inspection Cover Clamp	1
10	4E-06	LKWSHR, Inspection Cover	6
11	2C-616	BOLT, Inspection Cover	6

*NOTE: When 535101 Reservoir is installed on machine serial: Cummins—2892 thru 2942, 2LC52 thru 2LC117, the following parts are required:

- | | | | |
|------------|----------------|------------|-------------|
| 2 — 509711 | HOSE | 4 — 521875 | CLAMP, Hose |
| 1 — 536493 | TUBE (Cummins) | 1 — 666846 | NIPPLE |
| 1 — 540779 | TUBE (G.M.) | | |

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



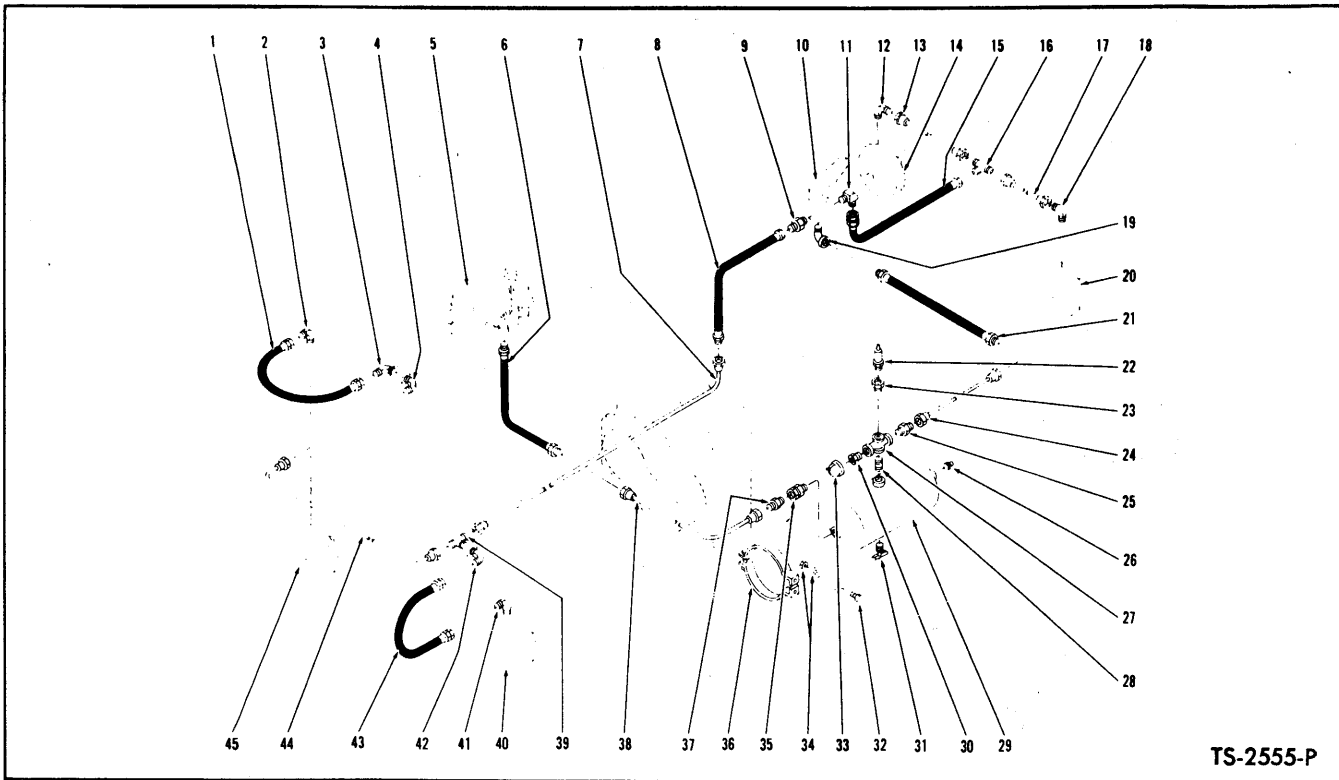
BRAKE AIR LINES

For Serial: CUMMINS — 2892 thru 2942, 2LC52 thru 2LC111

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	524561	HOSE, Frame to Air Chamber	1	26	940643	**SENDER UNIT, Air Pressure	1
2	42F-6	ELBOW, Hose to Air Chamber	1	27	526071	LINE, Reservoir to Foot Valve	1
3	42F-6	ELBOW, Hose to Frame	1	28	356616	BUSHING, Tee Reducing	1
4	42F-6	ELBOW, Line to Frame	1	29	38F-10	CONNECTOR, Line to Tee	1
5	-----	COMPRESSOR & CONNECTIONS— See Index	—	30	16F-08	PLUG, Reservoir	1
6	-----	GOVERNOR—See Compressors	—	31	21F-4	CROSS, Reservoir	1
7	524497	HOSE, Compr. Tee to Reservoir Line	1	32	5K-409	NIPPLE, Cross to Reservoir	1
8	-----	TRANSMISSION—See Index	—	33	513842	*RESERVOIR, Air—B.W. #227901	1
9	513906	HOSE, Foot Valve to Rear Axle Line	1	34	17F-4	TEE, Reservoir	1
10	940635	CONNECTOR, Line to Foot Valve	1	35	72F-4	DRAIN COCK, Reservoir	1
11	13F-08	PLUG, Air Brake Rod	2	36	16F-08	PLUG, Reservoir	1
12	-----	BRAKE CONTROLS—See Index	—	37	2C-620	BOLT, Reservoir to Frame	4
13	513912	ELBOW, Hose to Foot Valve	1	37A	2D-06	NUT, Reservoir to Frame	4
14	42F-6	ELBOW, Line to Air Chamber	1	37B	4E-06	LKWSHR, Reservoir to Frame	4
15	513916	LINE, Tee to L.H. Air Chamber	1	38	941813	*BRACKET, Reservoir—B.W. #221399	2
16	-----	AIR CHAMBER—See Index	—	39	593370	*VALVE, Check—B.W. #228194	1
17	514341	HOSE, Foot Valve to Front Axle Tee	1	40	38F-10	CONNECTOR, Line to Check Valve	1
18	44F-5	TEE, Front Axle Lines	1	41	524495	LINE, Compressor to Reservoir	1
19	513915	LINE, Tee to R.H. Air Chamber	1	42	524626	LINE, Foot Valve to Rear Axle Tee	1
20	42F-6	ELBOW, Line to Air Chamber	1	43	45F-6	TEE, Rear Axle Lines	1
21	26F-4	ELBOW, Hose to Foot Valve	1	44	42F-6	ELBOW, Hose to Air Chamber	1
22	-----	AIR CHAMBER — See Index	—	45	-----	AIR CHAMBER — See Index	—
23	516316	HOSE, Line to Foot Valve	1	46	42F-6	ELBOW, Hose to Frame	1
24	507815	*VALVE, Safety—B.W. #205105	1	47	524561	HOSE, Frame to Air Chamber	1
25	356615	BUSHING, Tee Reducing	1	48	522247	LINE, Rear Axle	1
				49	-----	AIR CHAMBER — See Index	—

*NOTE: Your local authorized Bendix-Westinghouse Service Station is equipped to service components of these parts.
 **NOTE: For replacement refer to Service Gram S.G.-326B.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-2555-P

BRAKE AIR LINES

For Serial: CUMMINS – 2LC112 thru 2LC999
G.M. – 2LG101 thru 2LG999

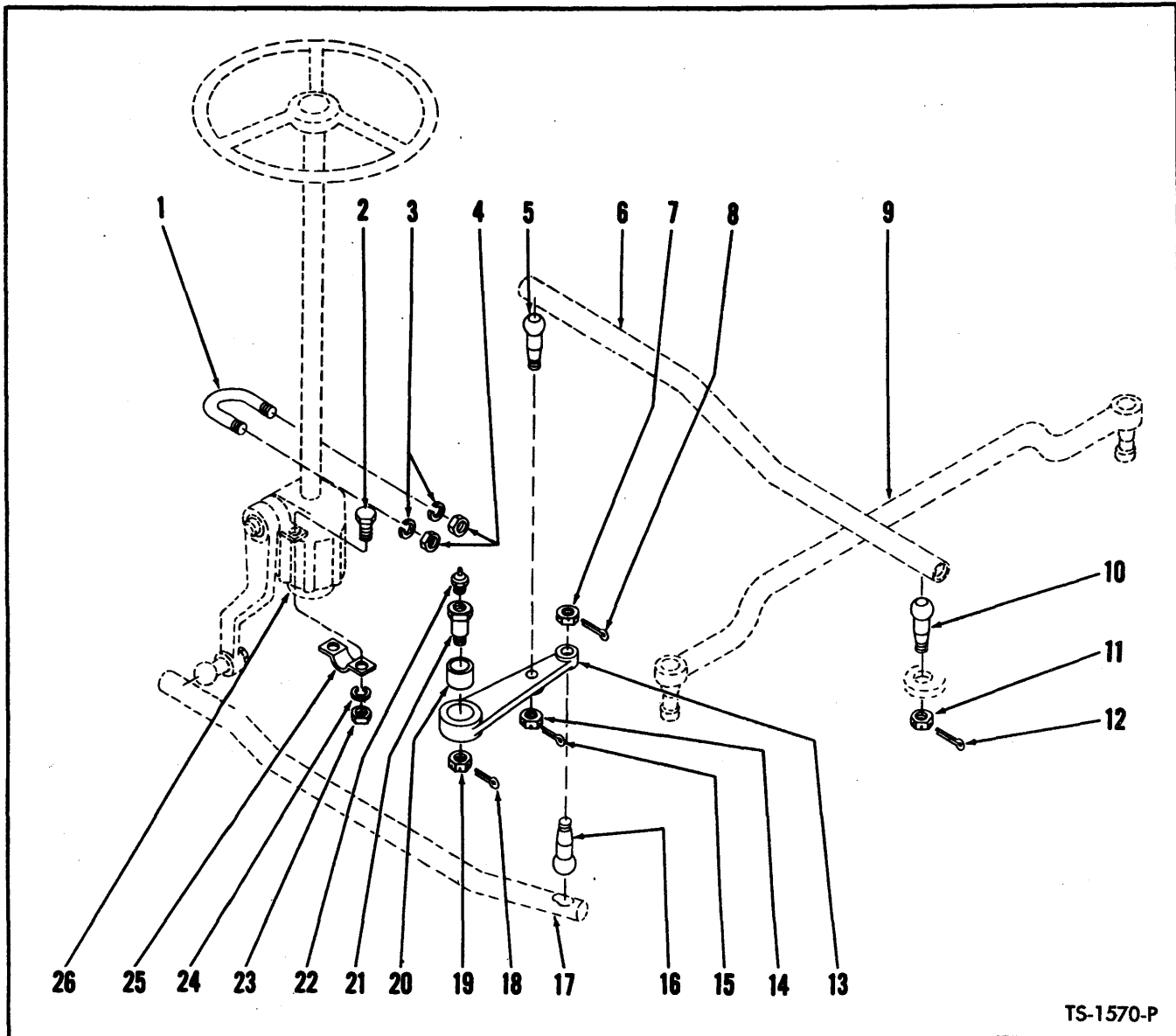
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	524561	HOSE, Frame to Air Chamber	1	24	526071	LINE, Reservoir to Foot Valve	1
2	42F-6	ELBOW, Hose to Air Chamber	1	25	38F-10	CONNECTOR, Line to Reservoir Tee	1
3	42F-6	ELBOW, Hose to Frame	1	26	16F-08	PLUG, Reservoir	1
4	42F-6	ELBOW, Line to Frame	1	27	21F-4	CROSS, Reservoir	1
5	-----	COMPRESSOR & CONNECTIONS— See Index	—	28	5K-409	NIPPLE, Tee to Reservoir	1
6	-----	HOSE, Compressor to Reservoir Line	—	29	513842	*RESERVOIR, Air – B.W. #227901	1
6A	524497	For Cummins Powered Machines	1	30	356616	BUSHING, Cross Reducing	1
6B	540873	For G.M. Powered Machines	1	31	72F-4	DRAIN COCK, Reservoir	1
7	524626	LINE, Foot Valve to Rear Axle Tee	1	32	2C-620	BOLT, Bracket to Frame	4
8	513906	HOSE, Foot Valve to Rear Axle Line	1	33	940643	**SENDER UNIT, Air Pressure	1
9	940635	CONNECTOR, Hose to Foot Valve	1	34	2D-06	NUT, Bracket to Frame	4
10	-----	BRAKE CONTROLS – See Index	—	34A	4E-06	LKWSHR, Bracket to Frame	4
11	513912	ELBOW, Hose to Foot Valve	1	35	593370	*VALVE, Check – B.W. #228194	1
12	42F-6	ELBOW, Line to Air Chamber	1	36	941813	*BRACKET, Reservoir – B.W. #221399	2
13	513916	LINE, Tee to L.H. Air Chamber	1	37	38F-10	CONNECTOR, Line to Check Valve	1
14	-----	AIR CHAMBER – See Index	—	38	-----	LINE, Compressor to Reservoir	—
15	514341	HOSE, Foot Valve to Front Axle Tee	1	38A	533397	For Cummins Powered Machines	1
16	44F-5	TEE, Front Axle Lines	1	38B	540796	For G.M. Powered Machines	1
17	513915	LINE, Tee to R.H. Air Chamber	1	39	45F-6	TEE, Rear Axle Lines	1
18	42F-6	ELBOW, Line to Air Chamber	1	40	-----	AIR CHAMBER – See Index	—
19	26F-4	ELBOW, Hose to Foot Valve	1	41	42F-6	ELBOW, Hose to Air Chamber	1
20	-----	AIR CHAMBER – See Index	—	42	42F-6	ELBOW, Hose to Frame	1
21	516316	HOSE, Line to Foot Valve	1	43	524561	HOSE, Frame to Air Chamber	1
22	507815	*VALVE, Safety – B.W. #205105	1	44	522247	LINE, Rear Axle	1
23	356615	BUSHING, Tee Reducing	1	45	-----	AIR CHAMBER – See Index	—

†Not Illustrated

*NOTE: Your local authorized Bendix Westinghouse Service Station is equipped to service components of these parts.

**NOTE: For replacement refer to Service Gram S.G.-326B.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-1570-P

STEERING LINKAGE GROUP

For Serial: CUMMINS— 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	545941	U-BOLT, Steering Gear to Frame	1	14	4D-10	NUT, Ball Stud	1
2	2C-832	BOLT, Steering Gear Clamp	2	15	1F-432	COTTER, Ball Stud	1
3	4E-08	LKWSHR, U-Bolt	2	16	513122	BALL STUD, Drag Link to Bell Crank	1
4	2D-08	NUT, U-Bolt	2	17	—	DRAG LINK — Front — See Index	—
5	513122	BALL STUD, Drag Link to Bell Crank	1	18	1F-424	COTTER, Bell Crank Pin	1
6	—	DRAG LINK — Rear — See Index	—	19	617863	NUT, Bell Crank Pin	1
7	4D-10	NUT, Ball Stud	1	20	550601	BUSHING, Bell Crank	1
8	1F-432	COTTER, Ball Stud	1	21	550602	PIN, Bell Crank to Frame	1
9	—	TIE ROD — Rear Axle — See Index	—	22	10H-25	FITTING, Bell Crank Pin Grease	1
10	513122	BALL STUD, Drag Link to Axle	1	23	2D-08	NUT, Steering Gear Clamp	2
11	4D-10	NUT, Ball Stud	1	24	4E-08	LKWSHR, Steering Gear Clamp	2
12	1F-432	COTTER, Ball Stud	1	25	550044	CLAMP, Steering Gear	1
13	521833	BELL CRANK, Drag Links (Inc. 20)	1	26	—	STEERING GEAR — See Index	—

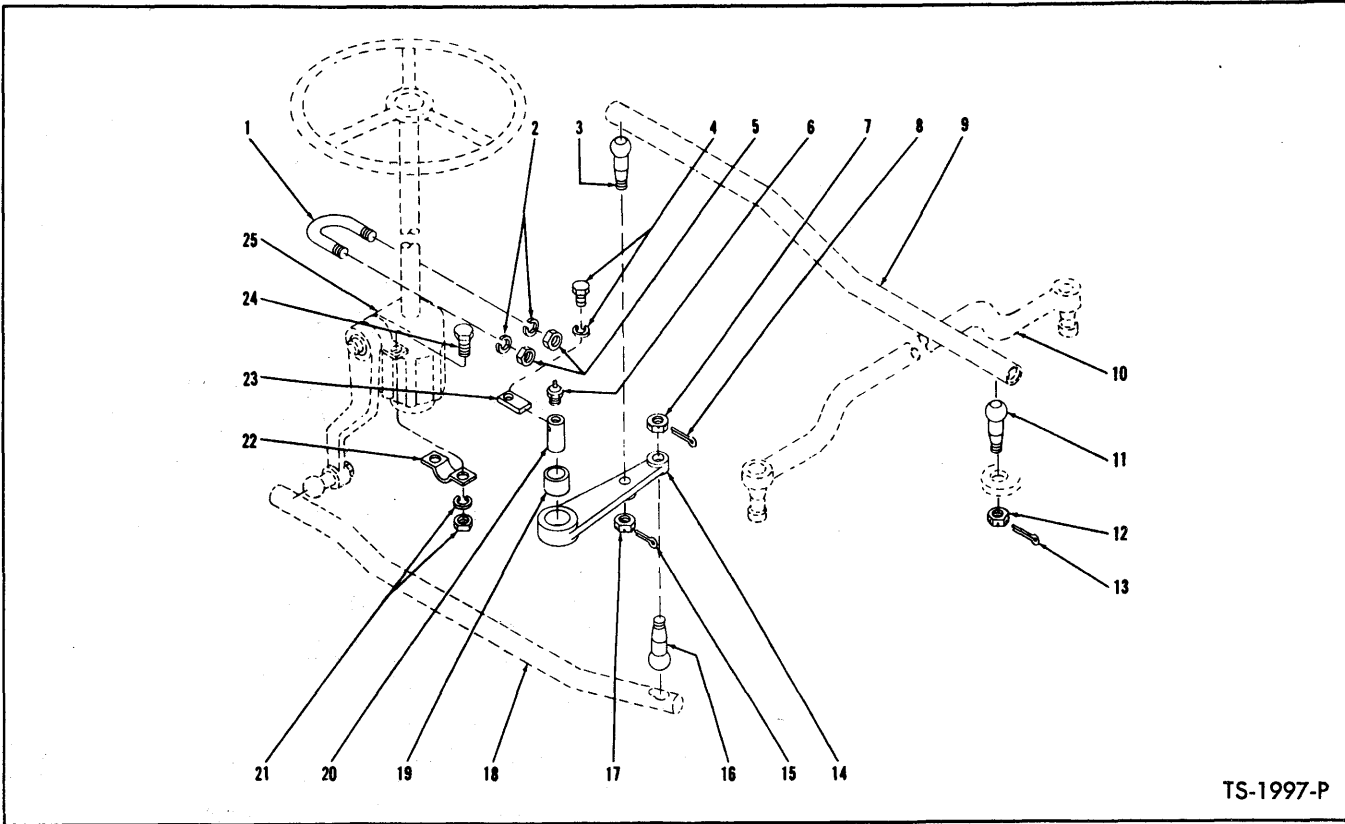
WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

100

(

(

(



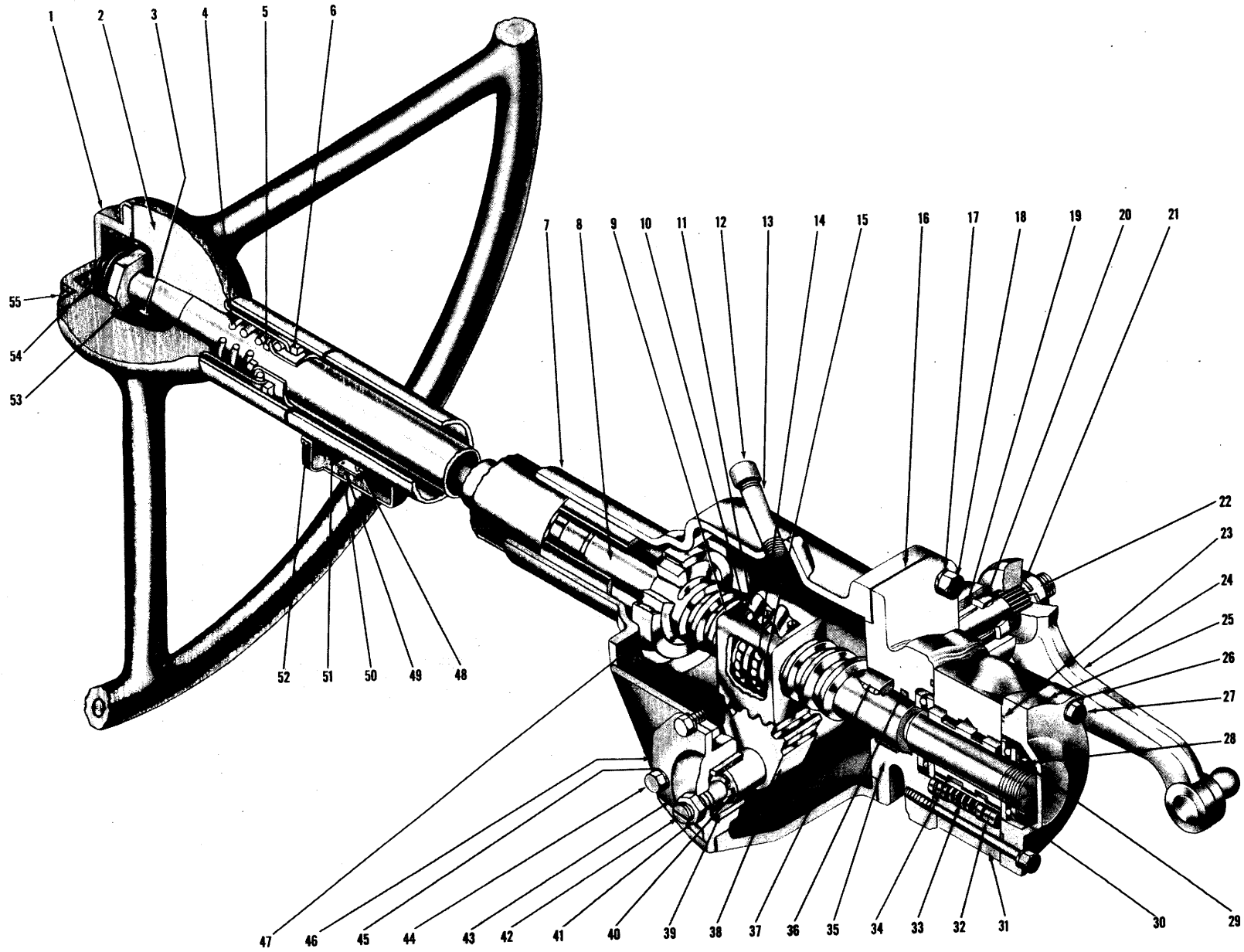
TS-1997-P

STEERING LINKAGE GROUP

For Serial: **CUMMINS – 2LC62 thru 2LC999**
G.M. – 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.
1	545941	U-BOLT, Steering Gear to Frame	1
2	4E-08	LKWSHR, U-Bolt	2
3	513122	BALL STUD	1
4	2C-816	BOLT, Plate Attaching	1
4A	4E-08	LKWSHR, Plate Attaching	1
5	2D-08	NUT, U-Bolt	2
6	10H-25	FITTING, Pivot Pin Grease	1
7	4D-10	NUT, Ball Stud	1
8	1F-432	COTTER, Ball Stud	1
9	-----	DRAG LINK, Rear — See Index	—
10	-----	TIE ROD, Rear Axle — See Index	—
11	513122	BALL STUD	1
12	4D-10	NUT, Ball Stud	1
13	1F-432	COTTER, Ball Stud	1
14	521833	BELL CRANK ASSY (Inc. 19)	1
15	1F-432	COTTER, Ball Stud	1
16	513122	BALL STUD	1
17	4D-10	NUT, Ball Stud	1
18	-----	DRAG LINK, Front — See Index	—
19	550601	BUSHING, Bell Crank	1
20	528247	PIN, Bell Crank Pivot	1
21	4E-08	LKWSHR, Steering Gear Clamp	2
21A	2D-08	NUT, Steering Gear Clamp	2
22	550044	CLAMP, Steering Gear	1
23	528248	PLATE, Pivot Pin Lock	1
24	2C-832	BOLT, Steering Gear Clamp	2
25	-----	STEERING GEAR — See Index	—

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



STEERING GEAR ASSEMBLY

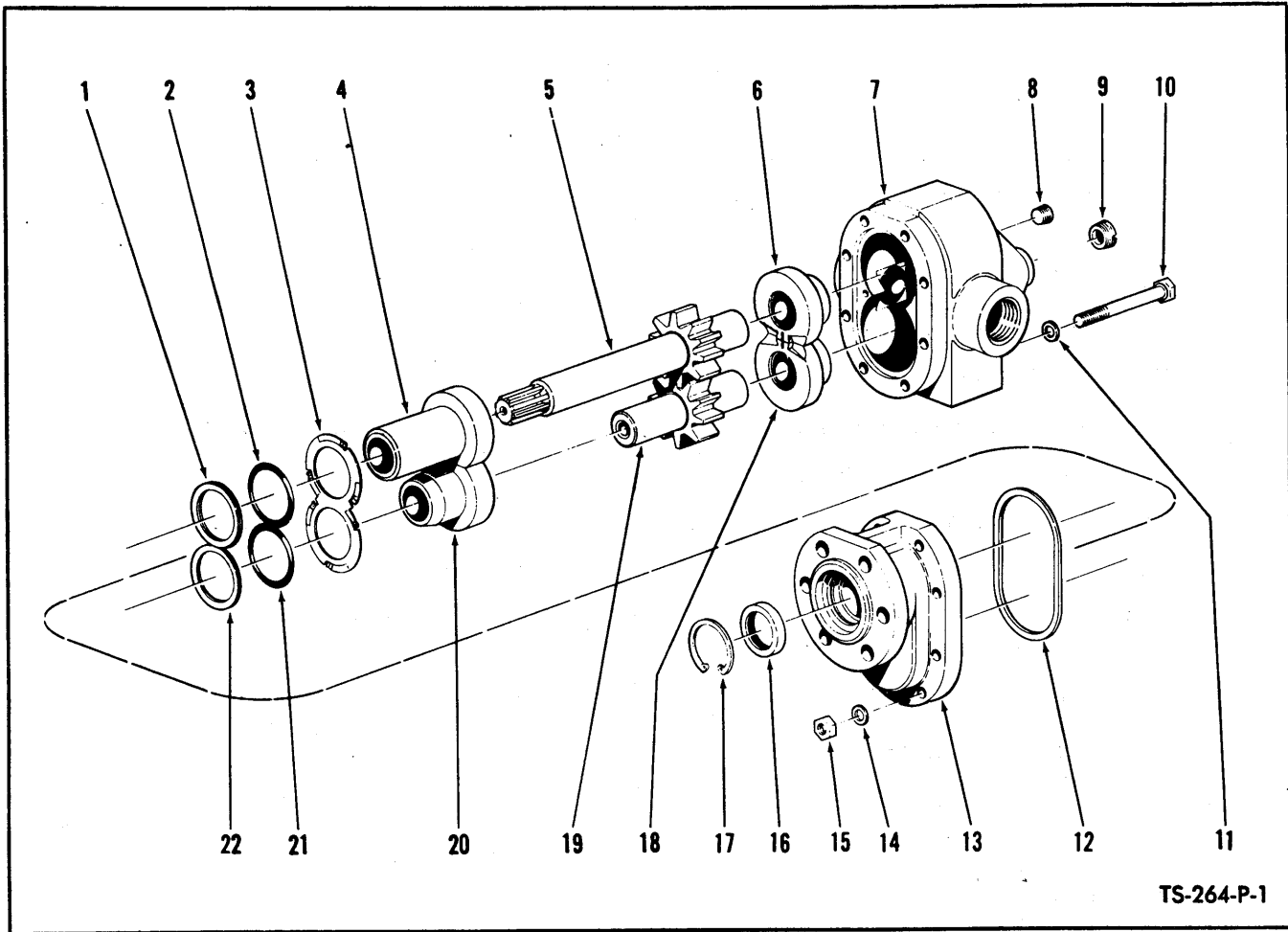
TS-2955-P

STEERING GEAR ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	521837	STEERING GEAR ASSY (Inc. 1, 3 thru 23, 25 thru 54)	1	29	943429	SPRING, Worm Bearing	1
1	639796	HORN BUTTON ASSY	1	30	860997	BEARING, Worm Thrust	2
2	1508704	WHEEL, Steering	1	31	944052	VALVE ASSY, Hydraulic (Inc. 32 thru 34)	1
3	853384	KEY, Steering Wheel	1	32	861755	PLUNGER, Valve Centering	6
4	853395	SPRING, Steering Shaft Upper	1	33	944053	SPRING, Valve Centering	3
5	861768	WASHER, Steering Shaft Upper	1	34	—	§SPOOL, Valve (See 31)	1
6	857729	BEARING ASSY, Upper	1	35	861738	ADAPTER ASSY (Inc. 36, 37)	1
7	944118	HOUSING ASSY (Inc. 19, 47)	1	36	25K-40108	"O" RING, Adapter	1
8	944119	SHAFT ASSY (Inc. 9, 10, 11, 14, 15, 51 and 54)	1	37	861741	BEARING, Adapter	1
9	853408	NUT, Ball	1	38	940111	GEAR, Pitman Shaft	1
10	851762	BOLT AND WASHER, Clamp	3	39	—	§BUSHING, Housing Side Cover (See Item 43)	1
11	853464	CLAMP, Ball Return	1	40	853187	SHIM KIT, Lash Adjuster	1
12	22F-4	CAP, Filler	1	41	8D-07	NUT, Lash Adjuster	1
13	5K-432	NIPPLE, Filler	1	42	851770	ADJUSTER, Lash	1
14	10J-09	BALL	106	43	853182	COVER ASSY, Housing Side (Inc. 39)	1
15	853412	GUIDE, Ball Return	4	44	1C-612	BOLT, Side Cover	3
16	853380	GASKET, Adapter	1	45	2E-06	LKWSHR, Side Cover	3
17	3E-07	LKWSHR, Adapter	4	46	851756	GASKET, Side Cover	1
18	1C-720	BOLT, Adapter	4	47	730143	BEARING, Housing	1
19	853357	BUSHING, Pitman Shaft	1	48	622026	CONNECTOR ASSY, Horn Cable	1
20	853391	SEAL, Pitman Shaft Grease	1	48A	518346	†GASKET, Horn Connector	1
21	4E-18	LKWSHR, Pitman Arm	1	49	622027	SCREW, Horn Connector	2
22	850756	NUT, Pitman Arm	1	50	622028	COVER, Horn Cable Connector	1
23	58K-232	"O" RING, Valve	2	51	940115	CONTACT ASSY, Horn Cable	1
24	940125	ARM, Pitman	1	52	3G-1003	SCREW, Connector Cover	2
25	943667	COVER, Valve End	1	52A	17E-10	†LKWSHR, Connector Cover	2
26	2E-06	LKWSHR, End Cover	3	53	648304	NUT, Steering Wheel	1
27	1C-656	BOLT, End Cover	3	54	853368	TERMINAL ASSY, Horn	1
28	873250	NUT, Worm Bearing	1	55	695930	SCREW, Horn Button	4

§Not Sold Separately
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-264-P-1

HYDRAULIC PUMP – STEERING

For Serial: CUMMINS – 2892 thru 2942, 2LC52 thru 2LC61

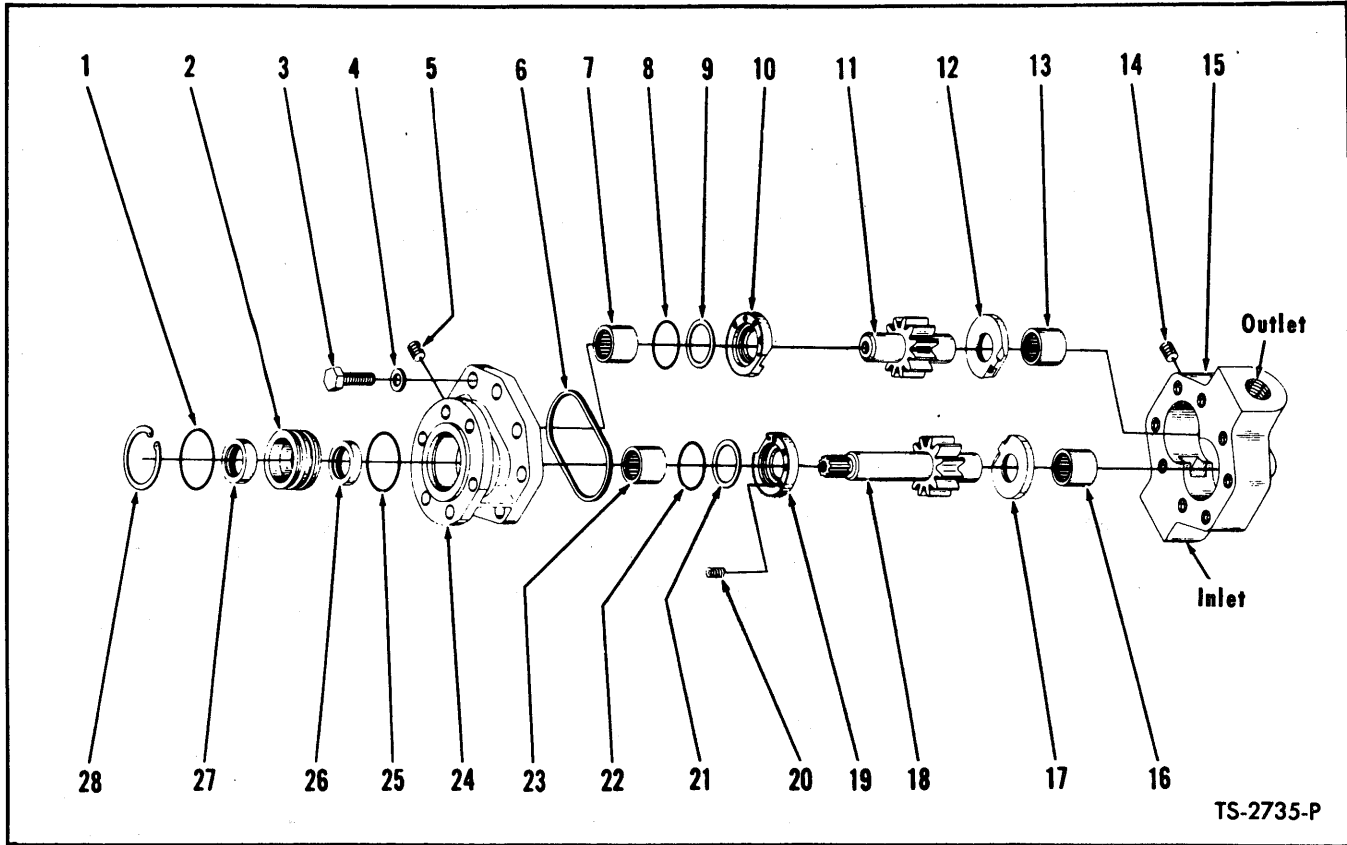
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	220988	*PUMP ASSY (Inc. 1 thru 22)	1	12	---	§GASKET, Cover	1
B	942403	REPAIR KIT, Minor (Inc. 1, 2, 12, 16, 17, 21, 22)	1	13	---	§COVER	1
C	942433	GEAR SET, Drive & Driven (Inc. 5, 19)	1	14	---	§WASHER, Plain	8
1	---	§WASHER, Back-Up	1	15	---	§NUT, Hex	8
2	---	§SEAL RING, Bearing	1	16	---	§SEAL, Shaft	1
3	---	§SPRING, Bearing	1	17	---	§RING, Seal Retainer	1
4	---	§BEARING, Cover – Drive	1	18	---	§BEARING, Body Driven	1
5	---	§GEAR, Drive	1	19	---	§GEAR, Driven	1
6	---	§BEARING, Body Drive	1	20	---	§BEARING, Cover Driven	1
7	---	§BODY	1	21	---	§SEAL RING, Bearing	1
8	16F-02	PLUG, Seal Chamber	1	22	---	§WASHER, Back-Up	1
9	---	§PLUG, Seal Relief	1	23	235961	†GASKET, Pump to Converter	1
10	---	§BOLT, Hex Head	8	24	2D-06	†NUT	6
11	---	§WASHER, Plain	8	25	4E-06	†LKWSHR	6

*NOTE: When complete Pump is replaced use 450063. Refer to parts listing on page 79 for replacement parts for 450063 Pump.

†Not Illustrated

§Not Sold Separately – Order Kits.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC PUMP – STEERING

**For Serial: CUMMINS – 2LC62 thru 2LC999
G.M. – 2LG101 thru 2LG999**

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450063	PUMP ASSY (Inc. 1 thru 28)	1	13	---	**§ BEARING, Body	1
B	498128	REPAIR KIT, Major (Inc. 10, 12, 17, 19)	1	14	---	§ PLUG, Body	1
C	498127	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 21, 22, 25)	1	15	---	**§ BODY	1
D	498026	GEAR SET, Drive & Driven (Inc. 11, 18)	1	16	---	**§ BEARING, Body	1
E	498113	REPAIR KIT, Shaft Seal (Inc. 1, 2, 25 thru 28)	1	17	---	§ THRUST PLATE, Body	1
1	---	§ "O" RING, Retainer	1	18	---	§ GEAR, Drive	1
2	---	§ RETAINER, Shaft Seal	1	19	---	§ THRUST PLATE, Cover	1
3	---	§ BOLT, Cover to Body	8	20	---	§ SPRING, Cover Thrust Plate	6
4	---	§ WASHER, Cover to Body	8	21	---	§ WASHER, "O" Ring Back-Up	1
5	---	§ PLUG, Cover	1	22	---	§ "O" RING, Cover Thrust Plate	1
6	---	§ GASKET, Cover	1	23	---	**§ BEARING, Cover	1
7	---	**§ BEARING, Cover – Driven	1	24	---	**§ COVER	1
8	---	§ "O" RING, Cover Thrust Plate	1	25	---	§ "O" RING, Retainer	1
9	---	§ WASHER, "O" Ring Back-Up	1	26	---	§ SEAL, Inner Oil	1
10	---	§ THRUST PLATE, Cover	1	27	---	§ SEAL, Outer Oil	1
11	---	§ GEAR, Driven	1	28	---	§ RING, Seal Retaining	1
12	---	§ THRUST PLATE, Body	1	29	221991	† SLEEVE, Pump Drive	1
				30	235961	† GASKET, Pump to Converter	1
				31	66D-06	† NUT, Pump to Converter	6

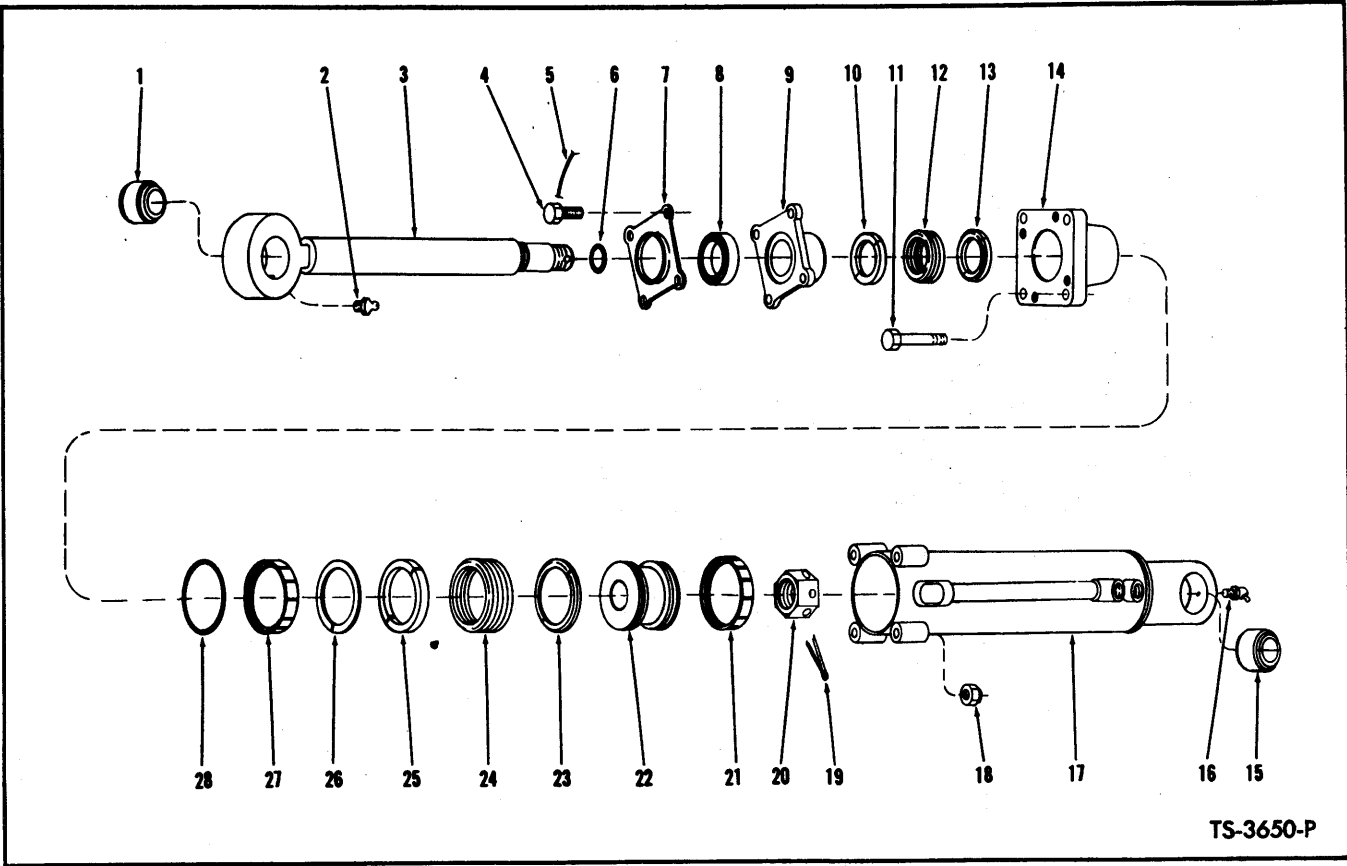
†Not Illustrated

§Not Sold Separately

*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-3650-P

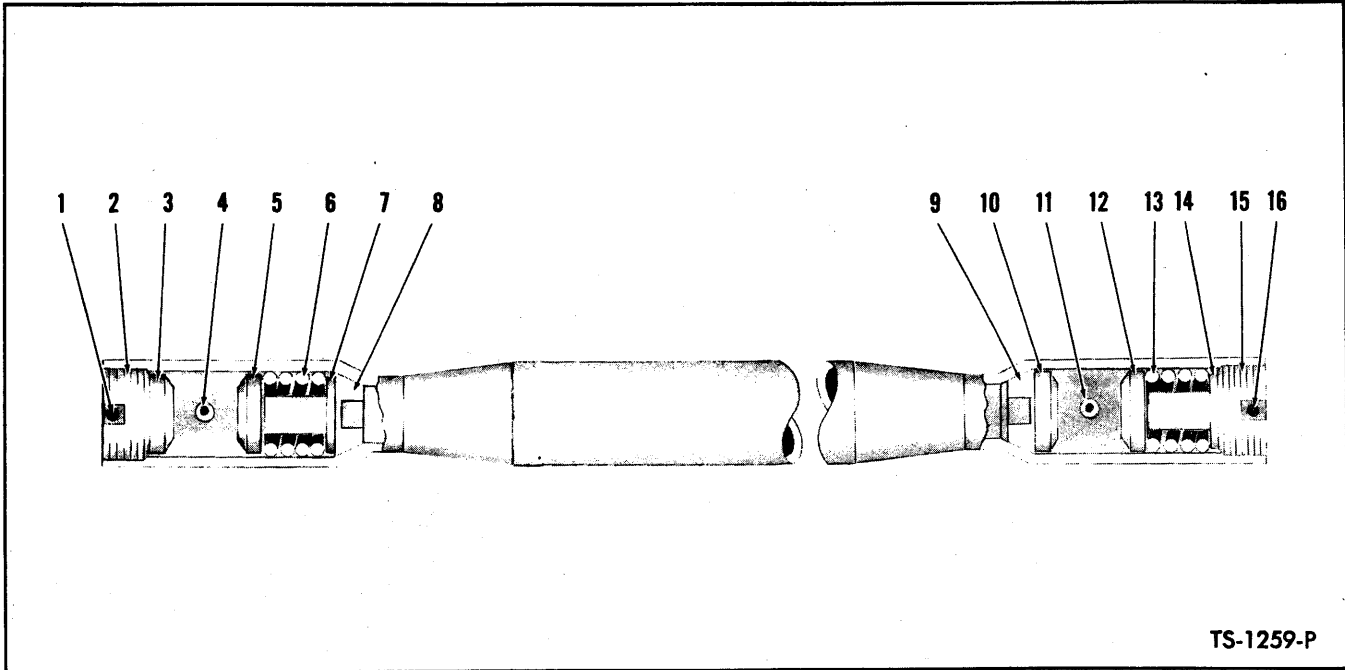
STEERING CYLINDER ASSEMBLY

2 Cylinders Used on Machine – Quantities Listed Below are for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	533645	CYLINDER ASSY (Inc. 1 thru 28) . . .	1	15	713418	BUSHING, Cylinder	1
B	2516074	KIT (Inc. 6, 8, 10, 12, 13, 19, 21, 23 thru 28) See Note "A"	1	16	11H-15	FITTING, Cylinder Grease	1
1	713418	BUSHING, Piston Rod	1	17	534265	CYLINDER	1
2	10H-25	FITTING, Piston Rod Grease	1	18	18D-07	NUT, Cylinder Cap	4
3	544359	ROD, Piston	1	19	1F-540	COTTER, Piston Rod Nut	1
4	4C-620	BOLT, Wiper Retainer	4	20	517298	NUT, Piston Rod	1
5	28H-16120	LOCKWIRE, Wiper Retainer Bolt	1	21	----	§ RING, Piston Wear – See B	1
6	----	§ "O" RING, Piston Rod – See B	1	22	512789	**PISTON	1
7	512797	RETAINER, Piston Rod Wiper	1	23	----	§ ADAPTER, Male – See 24	2
8	941568	WIPER, Piston Rod Seal	1	24	----	§ PACKING SET, Piston – See B (Inc. 23, 25)	1
9	526451	GLAND, Packing	1	25	----	§ ADAPTER, Female – See 24	2
10	----	§ ADAPTER, Female – See 12	2	26	----	§ ‡ SHIM – See B	–
11	18C-752	BOLT, Cylinder Cap	4	27	----	§ RING, Piston Wear – See B	1
12	2501106	PACKING SET (Inc. 10, 13)	1	28	----	§ "O" RING, Cylinder Cap – See B	1
13	----	§ ADAPTER, Male – See 12	2	29	517355	† BOLT, Cylinder Anchor	2
14	945112	*CAP, Cylinder	1	30	66D-22	† NUT, Cylinder Anchor	2

‡ As Required † Not Illustrated § Not Sold Separately
 *NOTE: 945112 also includes 1–25K-40308 O-Ring & 1–73K-236 Back-Up Ring.
 **NOTE: For replacement use 1503639 Piston plus 1–2516071 Kit.
 NOTE "A": For reference see Service Gram S.G.-597A.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



STEERING DRAG LINKS

Item No.	Part No.	Description	No. Req'd.
A	521836	DRAG LINK – Front (Inc. 2, 3, 5 thru 10, 12 thru 15)	1
B	521901	DRAG LINK – Rear (Inc. 2, 3, 5 thru 10, 12 thru 15)	
		For Serial: Cummins – 2892 thru 2942, 2LC52 thru 2LC126	1
		For Serial: G.M. – 2LG101 only	1
C	537511	DRAG LINK – Rear (Inc. 2, 3, 5 thru 10, 12 thru 15)	
		For Serial: Cummins – 2LC127 thru 2LC999	1
		For Serial: G.M. – 2LG101 thru 2LG999	1
1	1F-432	COTTER, Adjusting Nut	1
2	876575	NUT, Adjusting	1
3	865965	SEAT, Ball Stud	1
4	10H-25	FITTING, Drag Link Grease	1
5	865965	SEAT, Ball Stud	1
6	865961	SPRING	1
7	662691	SEAT, Spring	1
8	865963	SEAT	1
9	865963	SEAT	1
10	865965	SEAT, Ball Stud	1
11	10H-25	FITTING, Drag Link Grease	1
12	865965	SEAT, Ball Stud	1
13	865961	SPRING	1
14	662691	SEAT, Spring	1
15	876575	NUT, Adjusting	1
16	1F-432	COTTER, Adjusting Nut	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CONSTRUCTION MACHINERY DIVISION



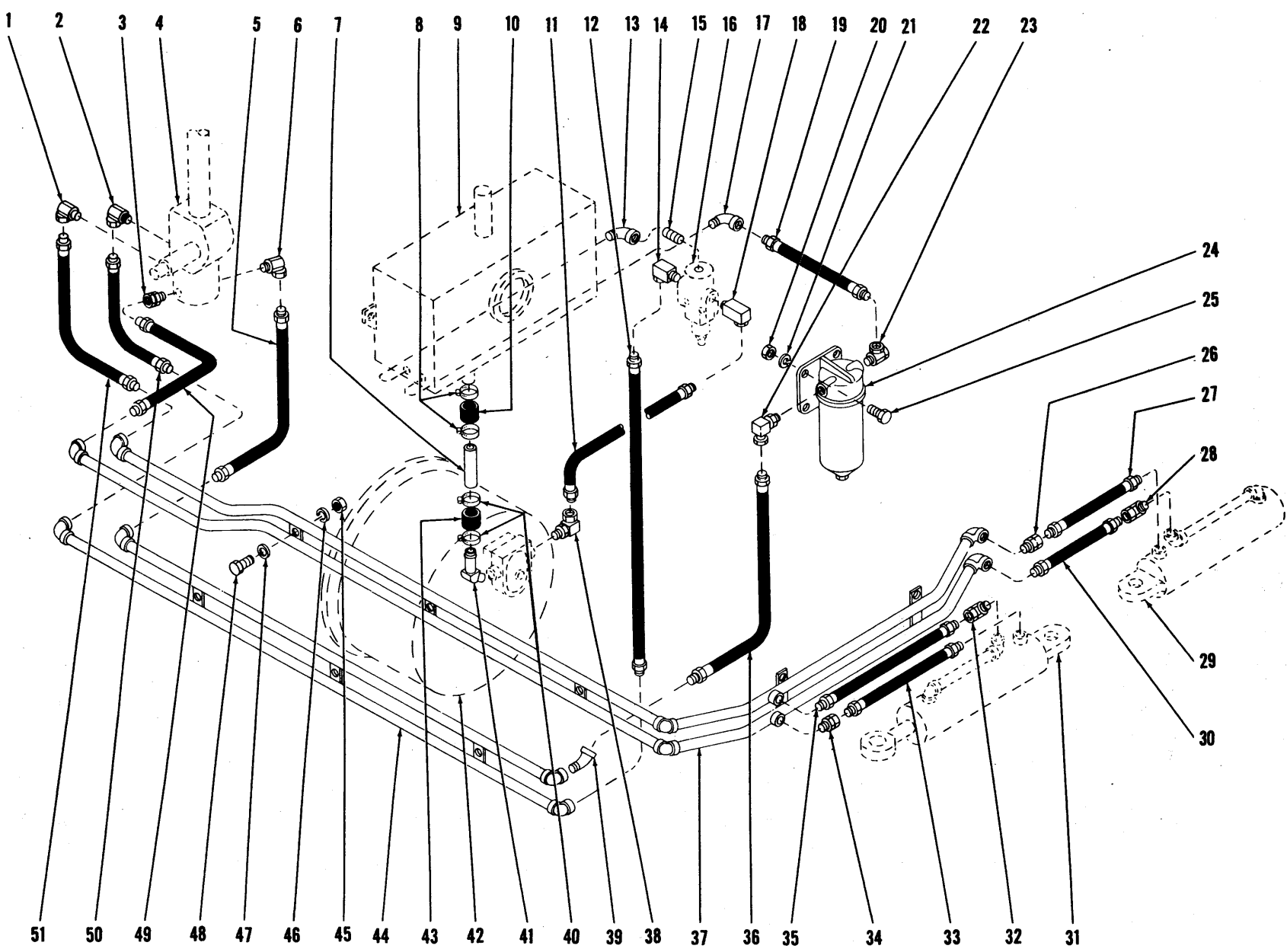
HYDRAULIC SYSTEM — STEERING — CUMMINS

For Serial 2892 thru 2942, 2LC52 thru 2LC61

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	517089	ADAPTER UNION, Hose to Valve ...	1	23	1533615	FILTER, Steering System Oil (Inc. 23A)	1
2	519275	ADAPTER UNION, Hose to Valve (Inc. 2A)	1	23A	215502	CARTRIDGE KIT, Filter	1
2A	91F-7	†O-RING, Adapter Union	1	24	672806	HOSE, Pipe to Cylinder	1
3	661564	ADAPTER UNION, Hose to Valve ...	1	25	-----	STEERING CYLINDER — See Index	—
3A	91F-6	†O-RING, Adapter Union	1	26	33F-4	ADAPTER UNION, Hose to Cylinder	1
4	-----	STEERING GEAR — See Index	—	27	524530	HOSE, Pipe to Cylinder	1
5	519275	ADAPTER UNION, Hose to Valve (Inc. 5A)	1	28	36F-4	ADAPTER UNION, Hose to Pipe	1
5A	91F-7	†O-RING, Adapter Union	1	29	-----	STEERING CYLINDER—See Index	—
6	657169	HOSE, Valve to Lower Pipe	1	30	33F-4	ADAPTER UNION, Hose to Cylinder	1
7	31F-6	ADAPTER UNION, Hose to Reservoir	1	31	672806	HOSE, Pipe to Cylinder	1
8	-----	RESERVOIR, Hydraulic Oil — See Index	—	32	711053	ADAPTER UNION, Hose to Filter	1
9	661560	HOSE, Pump to Relief Valve	1	33	36F-4	ADAPTER UNION, Hose to Pipe	1
10	5K-611	NIPPLE, Relief Valve to Reservoir	1	34	524530	HOSE, Pipe to Cylinder	1
11	31F-4	ADAPTER UNION, Relief Valve to Hose	1	35	661558	HOSE, Pipe to Filter	1
12	-----	RELIEF VALVE — See Index	—	36	661560	HOSE, Relief Valve to Pipe	1
13	26F-5	ELBOW, Hose to Reservoir	1	37	711053	ADAPTER UNION, Hose to Pump ...	1
14	29F-3	ELBOW, Relief Valve to Hose	1	38	521926	PIPE, Lower	1
15	356615	BUSHING	1	39	552156	HOSE, Reservoir to Pump	1
16	16F-04	PLUG	1	40	524637	PIPE, Upper	1
17	29F-1	ELBOW	1	41	2C-628	BOLT, Pipe Attaching	8
18	669952	HOSE, Filter to Reservoir	1	41A	2D-06	NUT, Pipe Attaching	8
19	2D-06	NUT, Filter to Bracket	4	41B	4E-06	LKWSHR, Pipe Attaching	8
20	4E-06	LKWSHR, Filter to Bracket	4	41C	103293	WASHER, Pipe Attaching	3
21	6K-12	CHECK VALVE, Hose to Filter	1	42	712766	HOSE, Valve to Upper Pipe	1
22	2C-640	BOLT, Filter to Bracket	4	43	661559	HOSE, Valve to Lower Pipe	1
				44	712766	HOSE, Valve to Upper Pipe	1
				45	25F-4	†ELBOW, Filter Hose to Pipe	1

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — STEERING — CUMMINS

TS-2003-P

HYDRAULIC SYSTEM – STEERING – CUMMINS

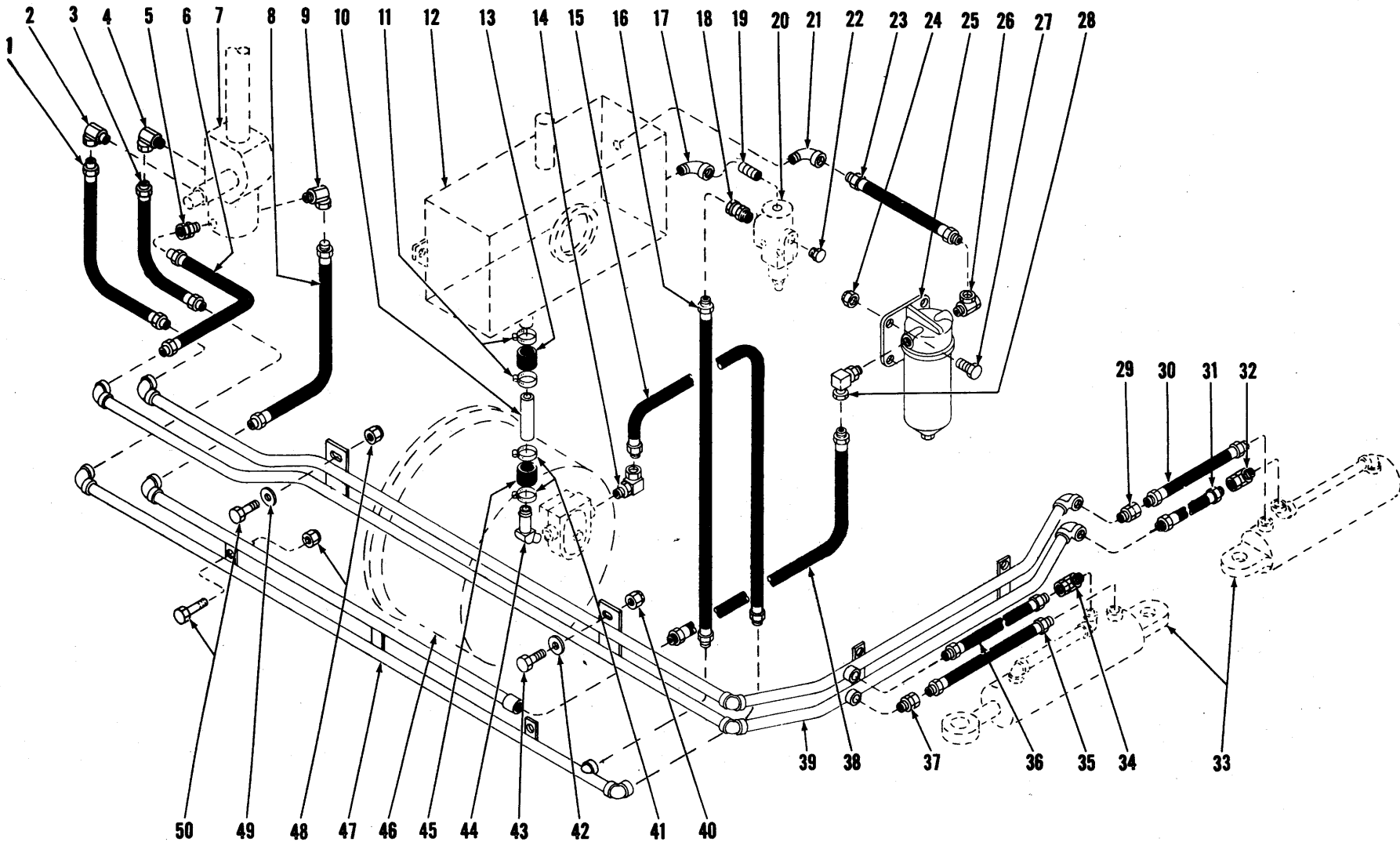
For Serial 2LC62 thru 2LC184

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	517089	ADAPTER UNION, Hose to Valve ...	1	23	6K-12	CHECK VALVE, Hose to Filter	1
2	519275	ADAPTER UNION, Hose to Valve (Inc. 2A)	1	24	1533615	FILTER, Steering System Oil (Inc. 24A)	1
2A	91F-7	†O-RING, Adapter Union	1	24A	215502	†CARTRIDGE KIT, Filter	1
3	661564	ADAPTER UNION, Hose to Valve ...	1	25	2C-640	BOLT, Filter to Bracket	4
3A	91F-6	†O-RING, Adapter Union	1	26	36F-4	ADAPTER UNION, Hose to Pipe	1
4	-----	STEERING GEAR – See Index	—	27	672806	HOSE, Pipe to Cylinder	1
5	657169	HOSE, Valve to Lower Pipe	1	28	33F-4	ADAPTER UNION, Hose to Cylinder	1
6	519275	ADAPTER UNION, Hose to Valve (Inc. 6A)	1	29	-----	STEERING CYLINDER – See Index	—
6A	91F-7	†O-RING, Adapter	1	30	524530	HOSE, Pipe to Cylinder	1
7	-----	TUBE, Reservoir to Pump – Suction		31	-----	STEERING CYLINDER – See Index	—
7A	509953	*For Serial—2LC62 thru 2LC117	1	32	33F-4	ADAPTER UNION, Hose to Cylinder	1
7B	536493	For Serial – 2LC118 thru 2LC184 ...	1	33	672806	HOSE, Pipe to Cylinder	1
8	521875	CLAMP, Hose	2	34	36F-4	ADAPTER UNION, Hose to Pipe	1
9	-----	RESERVOIR, Hydraulic Oil—See Index	—	35	524530	HOSE, Pipe to Cylinder	1
10	509711	HOSE, Tube to Reservoir	1	36	661558	HOSE, Filter to Pipe	1
11	661560	HOSE, Pump to Relief Valve	1	37	524637	PIPE, Upper	1
12	661560	HOSE, Relief Valve to Lower Pipe....	1	38	711053	ADAPTER UNION, Hose to Pump	1
13	26F-5	ELBOW, Relief Valve to Reservoir— for Serial 2LC67 thru 2LC184	1	39	25F-4	ELBOW, Hose to Pipe	1
14	-----	ADAPTER UNION, Relief Valve to Hose		40	521875	CLAMP, Hose	2
14A	31F-4	For Serial 2LC62 thru 2LC66	1	41	-----	NIPPLE, Hose	
14B	519275	For Serial 2LC67 thru 2LC184 (Inc. 14C)	1	41A	666858	For Serial 2LC62 thru 2LC117	1
14C	91F-7	†O-RING, Adapter Union	1	41B	666846	For Serial 2LC118 thru 2LC184	1
15	5K-611	NIPPLE, Relief Valve to Reservoir	1	42	-----	TORQUE CONVERTER – See Index	—
16	-----	RELIEF VALVE – See Index	—	43	509711	HOSE, Tube to Pump	1
17	26F-5	ELBOW, Reservoir to Hose	1	44	527954	PIPE, Lower	1
18	-----	ADAPTER UNION, Relief Valve to Hose		45	2D-06	NUT, Pipe Attaching	6
18A	29F-3	For Serial 2LC62 thru 2LC66	1	46	4E-06	LKWSHR, Pipe Attaching	6
18B	519275	For Serial 2LC67 thru 2LC184 (Inc. 18C)	1	47	103293	WASHER, Upper Pipe Attaching	2
18C	91F-7	†O-RING, Adapter	1	48	2C-628	BOLT, Pipe Attaching	6
19	669952	HOSE, Filter to Reservoir	1	49	712766	HOSE, Valve to Upper Pipe	1
20	2D-06	NUT, Filter to Bracket	4	50	661559	HOSE, Valve to Lower Pipe	1
21	4E-06	LKWSHR, Filter to Bracket	4	51	712766	HOSE, Valve to Upper Pipe	1
22	711053	ADAPTER UNION, Hose to Filter ...	1	52	29F-1	†ELBOW, Relief Valve, for Serial 2LC62 thru 2LC66	1
				53	356615	†BUSHING, Relief Valve Elbow, for Serial 2LC62 thru 2LC66	1
				54	16F-04	†PLUG, Relief Valve Elbow, for Serial 2LC62 thru 2LC66	1

†Not Illustrated

*NOTE: When installing 509953 Tube on machine serial 2LC62 thru 2LC81, items 8, 10, 40 and 43 must be used with each Tube.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — STEERING

TS-2822-P



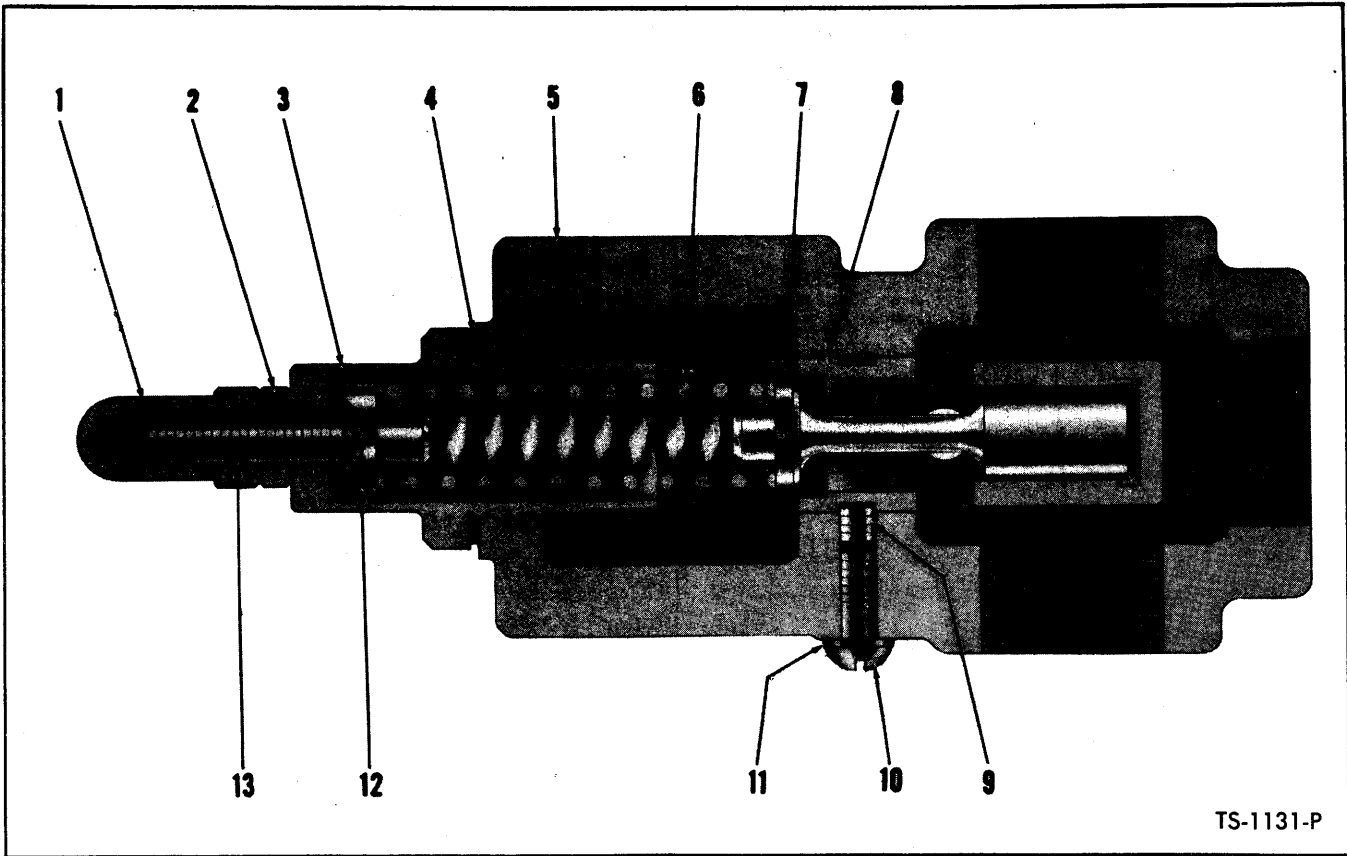
HYDRAULIC SYSTEM — STEERING

For Serial: CUMMINS — 2LC185 thru 2LC999
G.M. — 2LG101 thru 2LG999

Table with 8 columns: Item No., Part No., Description, No. Req'd., Item No., Part No., Description, No. Req'd. Lists various hydraulic components like hoses, adapters, filters, and valves with their respective part numbers and quantities.

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-1131-P

PRESSURE RELIEF VALVE – STEERING SYSTEM

For Serial:

CUMMINS – 2892 thru 2942, 2LC52 thru 2LC66

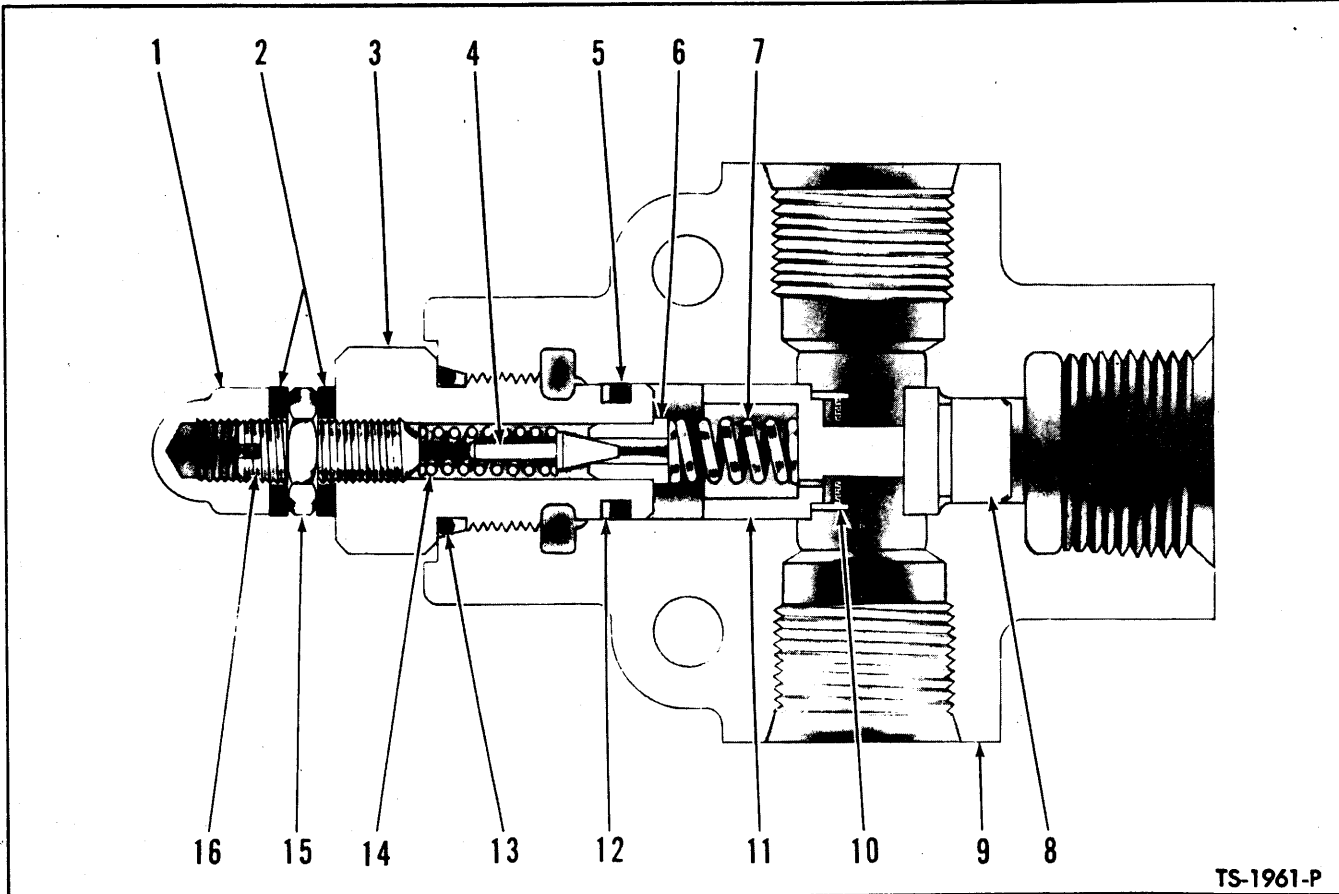
Item No.	Part No.	Description	No. Req'd.
A	521997	*VALVE ASSY (Inc. 1 thru 13)	1
1	863045	NUT, Acorn	1
2	8D-06	NUT, Jam	1
3	958206	CAP, Valve	1
4	25K-40028	"O" RING, Valve Cap	1
5	944005	HOUSING, Valve	1
6	958212	SPRING	1
7	940612	PLUNGER, Valve	1
8	940611	SEAT, Valve	1
9	15G-505	SETSCREW, Relief Valve Seat	1
10	863052	SCREW, Relief Valve Seat	1
11	863053	GASKET	1
12	958204	GUIDE, Spring	1
13	863046	SCREW, Adjusting	1

*NOTE: For replacement use 1-536539 Valve Assy on page 89 plus 2-519275 Adapter Union and 1-26F-5 Elbow.

PRESSURE RELIEF VALVE – LIFT, PITCH AND TILT SYSTEM

Item No.	Part No.	Description	No. Req'd.
A	520694	VALVE ASSY (Inc. 1 thru 13)	1
1	863045	NUT, Acorn	1
2	8D-06	NUT, Jam	1
3	940025	CAP, Valve	1
4	940031	GASKET, Valve Cap	1
5	943484	HOUSING, Valve	1
6	943485	SPRING	1
7	940032	PLUNGER, Valve	1
8	940033	SEAT, Valve	1
9	15G-506	SETSCREW, Relief Valve Seat	1
10	863052	SCREW, Relief Valve Seat	1
11	863053	GASKET	1
12	940029	GUIDE, Spring	1
13	940028	SCREW, Adjusting	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



PRESSURE RELIEF VALVE – STEERING SYSTEM

For Serial: CUMMINS – 2LC67 thru 2LC999
G.M. – 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	531080	*VALVE ASSY	1	9	-----	§BODY, Valve – See "C"	1
1	47D-05	NUT, Acorn	1	10	-----	§SCREEN, Poppet – See 11	1
2	663792	WASHER, Stat-O-Seal	2	11	990494	POPPET ASSY (Inc. 10)	1
3	944467	CAP, Valve	1	12	899038	RING, Back-Up	1
4	883734	PLUNGER, Pilot	1	13	91F-6	"O" RING	1
5	25K-20018	"O" RING	1	14	944471	SPRING, Pilot	1
6	944469	SEAT, Pilot	1	15	8D-05	NUT, Jam	1
7	944466	SPRING, Relief	1	16	33G-514	SCREW, Adjusting	1
8	944462	SEAT, Poppet	1	17	799584	†PLUG	2

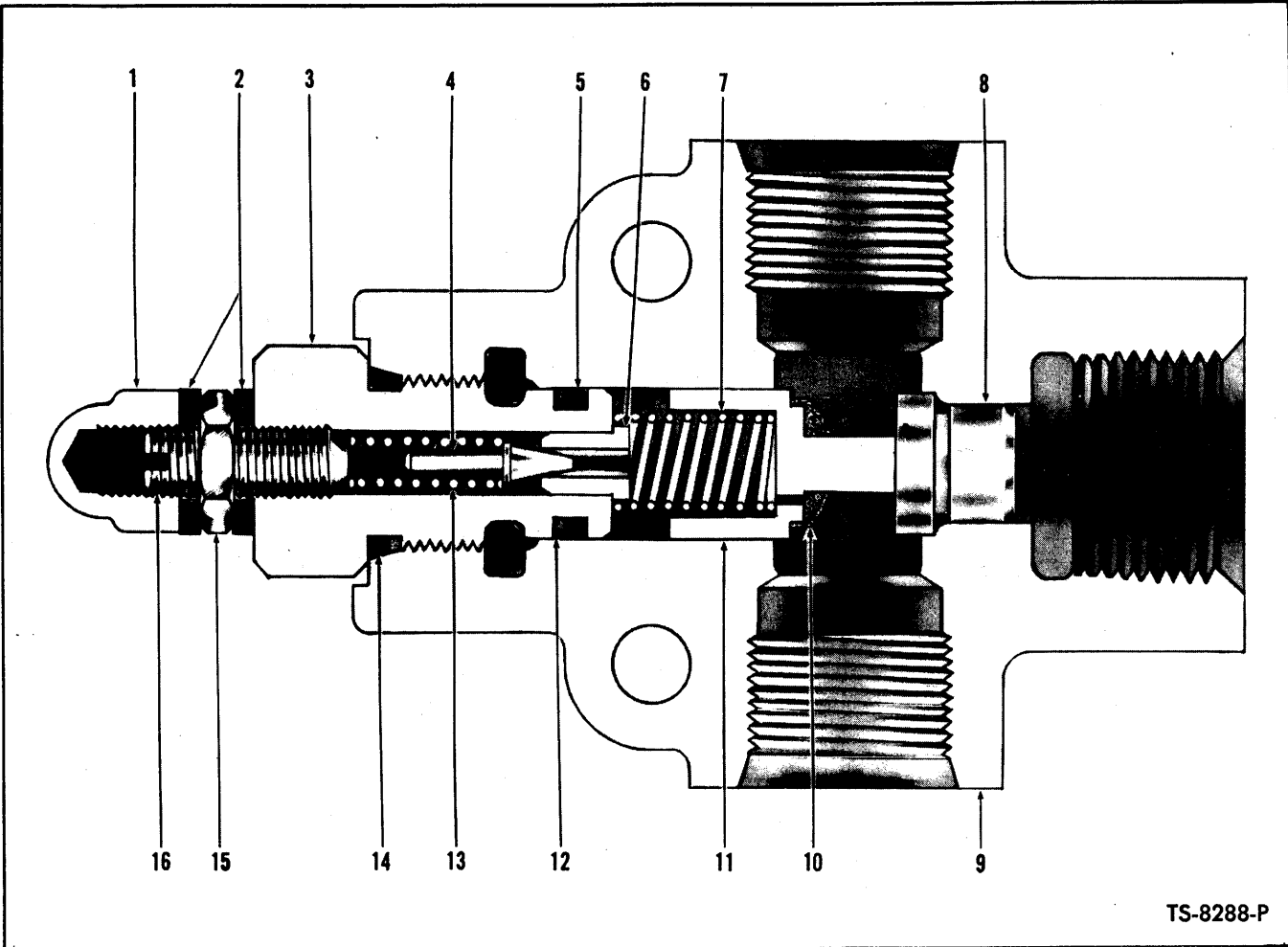
*NOTE: For complete replacement of 531080 use 536539.
§Not Sold Separately
†Not Illustrated.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

(

(

(



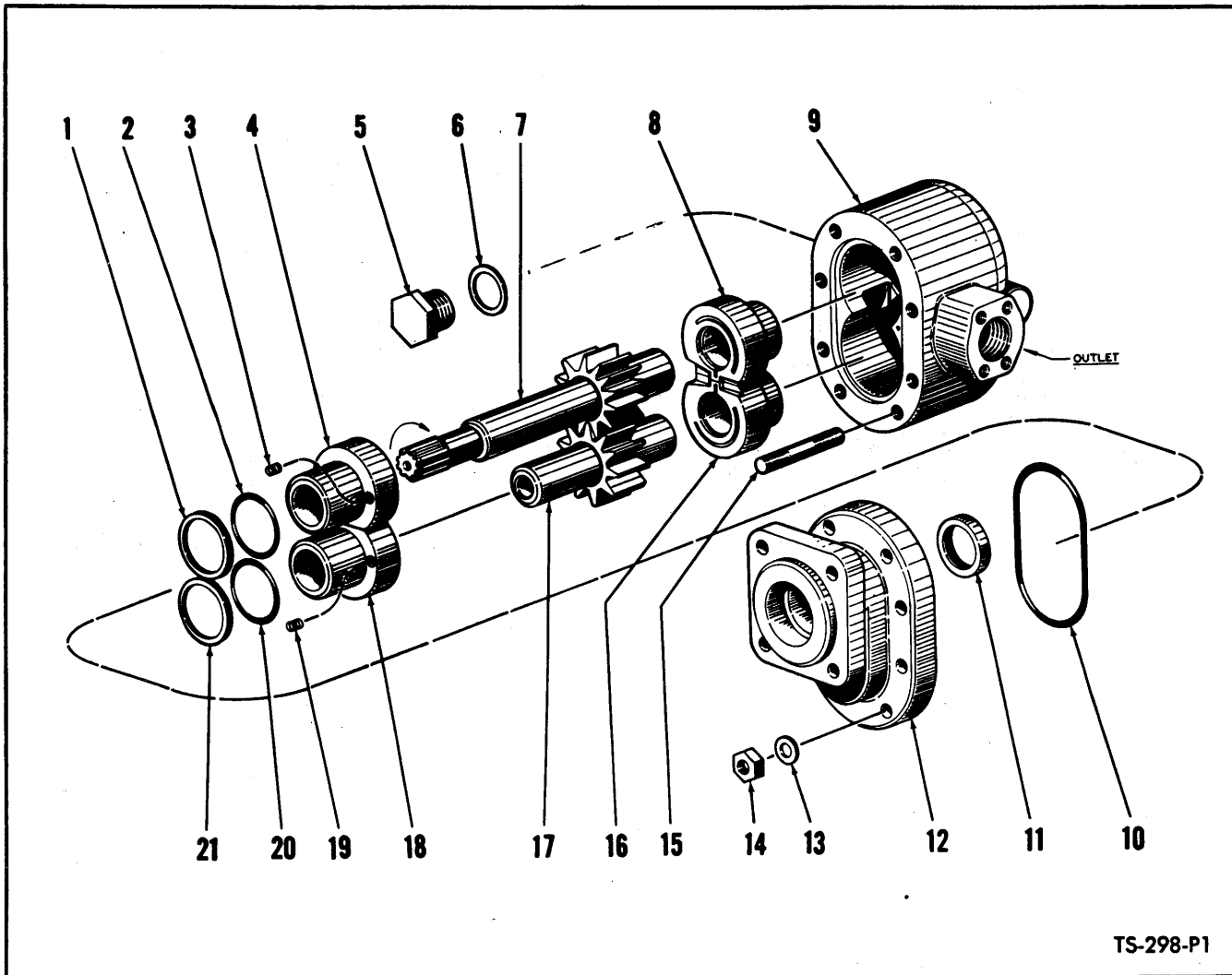
TS-8288-P

PRESSURE RELIEF VALVE – STEERING SYSTEM

Item No.	Part No.	Description	No. Req'd.
A	536539	VALVE ASSY (Inc. 1 thru 17)	1
1	47D-05	NUT, Acorn	1
2	663792	WASHER, Stat-O-Seal	2
3	944467	CAP, Valve	1
4	883734	PLUNGER, Pilot	1
5	899039	"O" RING	1
6	944469	SEAT, Pilot	1
7	944646	SPRING	1
8	944645	SEAT, Poppet	1
9	---	§BODY, Valve – Order Item "A"	—
10	---	§SCREEN, Poppet – Order Item 11	—
11	944643	POPPET ASSY (Inc. 10)	1
12	899038	RING, Back-Up	1
13	944471	SPRING, Pilot	1
14	91F-6	"O" RING, Valve Cap	1
15	8D-05	NUT, Jam	1
16	33G-514	SCREW, Adjusting Set	1
17	40K-02	†PLUG	2

§Not Sold Separately
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-298-P1

HYDRAULIC PUMP – LIFT, PITCH AND TILT

For Serial: CUMMINS – 2892 thru 2942, 2LC52 thru 2LC61

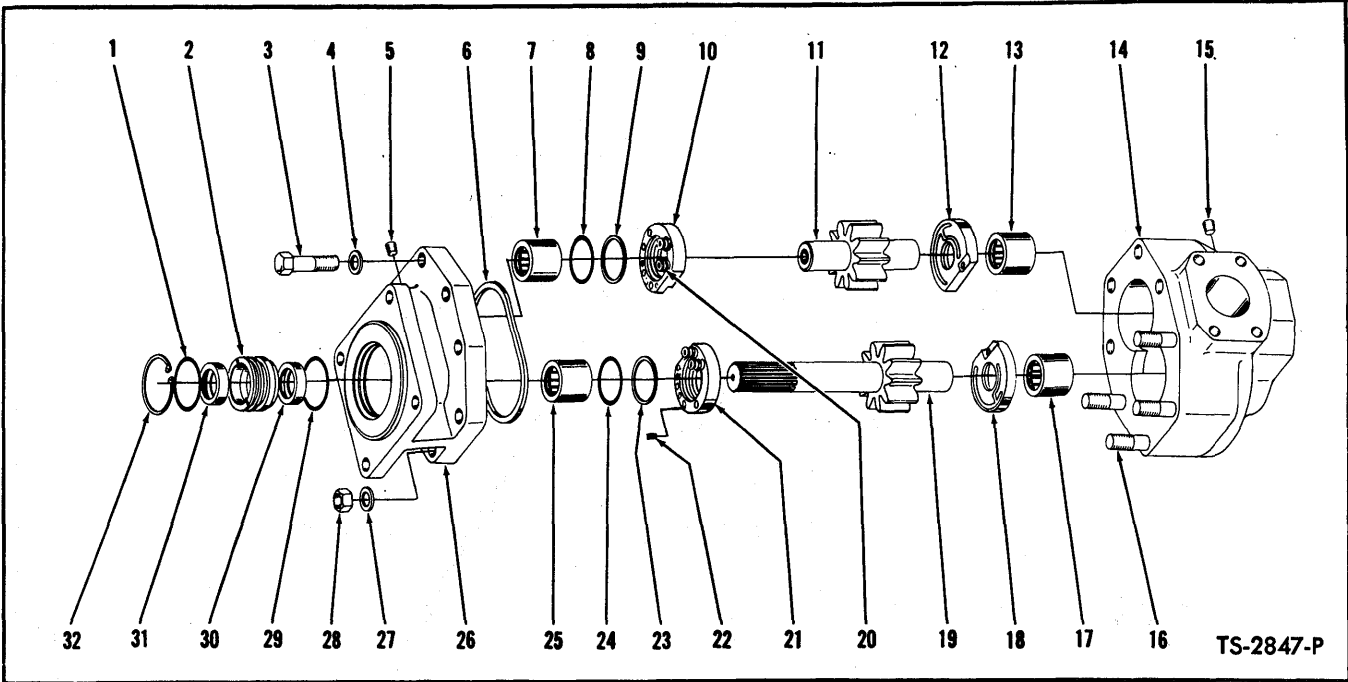
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	553415	*PUMP ASSY (Inc. 1 thru 21)	1	10	§GASKET, Cover	1	
B	943791	REPAIR KIT, Major (Inc. 1, 2, 3, 4, 6, 8, 10, 11, 13, 14, 15, 16, 18, 19, 20, 21)	1	11	§SEAL, Shaft	1	
C	941641	REPAIR KIT, Minor (Inc. 1, 2, 6, 10, 11, 20, 21)	1	12	§COVER	1	
D	942429	GEAR SET, Drive & Driven (Inc. 7, 17)	1	13	§WASHER, Cover to Body	8	
1	---	§WASHER, Back-Up	1	14	§NUT, Cover to Body	8	
2	---	§"O" RING, Bearing	1	15	§STUD, Cover to Body	8	
3	---	§SPRING, Bearing	2	16	§BEARING, Body – Driven	1	
4	---	§BEARING, Cover – Drive	1	17	§GEAR, Driven	1	
5	---	§RETAINER, Seal Relief	1	18	§BEARING, Cover – Driven	1	
6	---	§GASKET, Seal Relief	1	19	§SPRING, Bearing	2	
7	---	§GEAR, Drive	1	20	§"O" RING, Bearing	1	
8	---	§BEARING, Body – Drive	1	21	§WASHER, Back-Up	1	
9	---	§BODY	1	22	†GASKET, Pump to Converter	1	
				23	†NUT, Pump to Converter	4	
				24	†LKWSHR, Pump to Converter	4	

*NOTE: When replacing Pump Assembly listed above use 450155 Pump illustrated on page 91 plus:
1-527191 Stem; 1-58K-228 O-Ring; 4-1C-824 Bolts; 4-4E-08 Lkwshrs.

§Not Sold Separately – Order Kits.

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC PUMP – LIFT, PITCH AND TILT

For Serial: **CUMMINS – 2LC62 thru 2LC999**
G.M. – 2LG101 thru 2LG999

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	450155	PUMP ASSY (Inc. 1 thru 32)	1	14	**§BODY	1	
B	498132	REPAIR KIT, Major (Inc. 10, 12, 18, 21)	1	15	§PLUG, Body	1	
C	498133	*REPAIR KIT, Minor (Inc. 1, 3, 4, 6, 8, 9, 20, 22, 23, 24, 28, 29)	1	16	§STUD, Cover to Body	4	
D	498043	GEAR SET, Drive & Driven (Inc. 11,19)	1	17	**§BEARING, Body	1	
E	498115	REPAIR KIT, Shaft Seal (Inc. 1, 2, 29 thru 32)	1	18	§THRUST PLATE, Body	1	
1	---	§"O" RING, Retainer	1	19	§GEAR, Drive	1	
2	---	§RETAINER, Shaft Seal	1	20	§"O" RING, Piston	4	
3	---	§BOLT, Cover to Body	4	21	§THRUST PLATE, Cover (Inc. 20)	1	
4	---	§WASHER, Cover to Body	4	22	§SPRING, Cover Thrust Plate	12	
5	---	§PLUG, Cover	1	23	§WASHER, "O" Ring Back-Up	1	
6	---	§GASKET, Cover	1	24	§"O" RING, Cover Thrust Plate	1	
7	---	**§BEARING, Cover	1	25	**§BEARING, Cover	1	
8	---	§"O" RING, Cover Thrust Plate	1	26	**§COVER	1	
9	---	§WASHER, "O" Ring Back-Up	1	27	§WASHER, Cover to Body	4	
10	---	§THRUST PLATE, Cover (Inc. 20)	1	28	§NUT, Cover to Body	4	
11	---	§GEAR, Driven	1	29	§"O" RING, Retainer	1	
12	---	§THRUST PLATE, Body	1	30	§SEAL, Inner Oil	1	
13	---	**§BEARING, Body	1	31	§SEAL, Outer Oil	1	
				32	§RING, Seal Retaining	1	
				33	552161 †GASKET, Pump to Converter	1	
				34	2D-08 †NUT, Pump to Converter	4	
				35	4E-08 †LKWSHR, Pump to Converter	4	

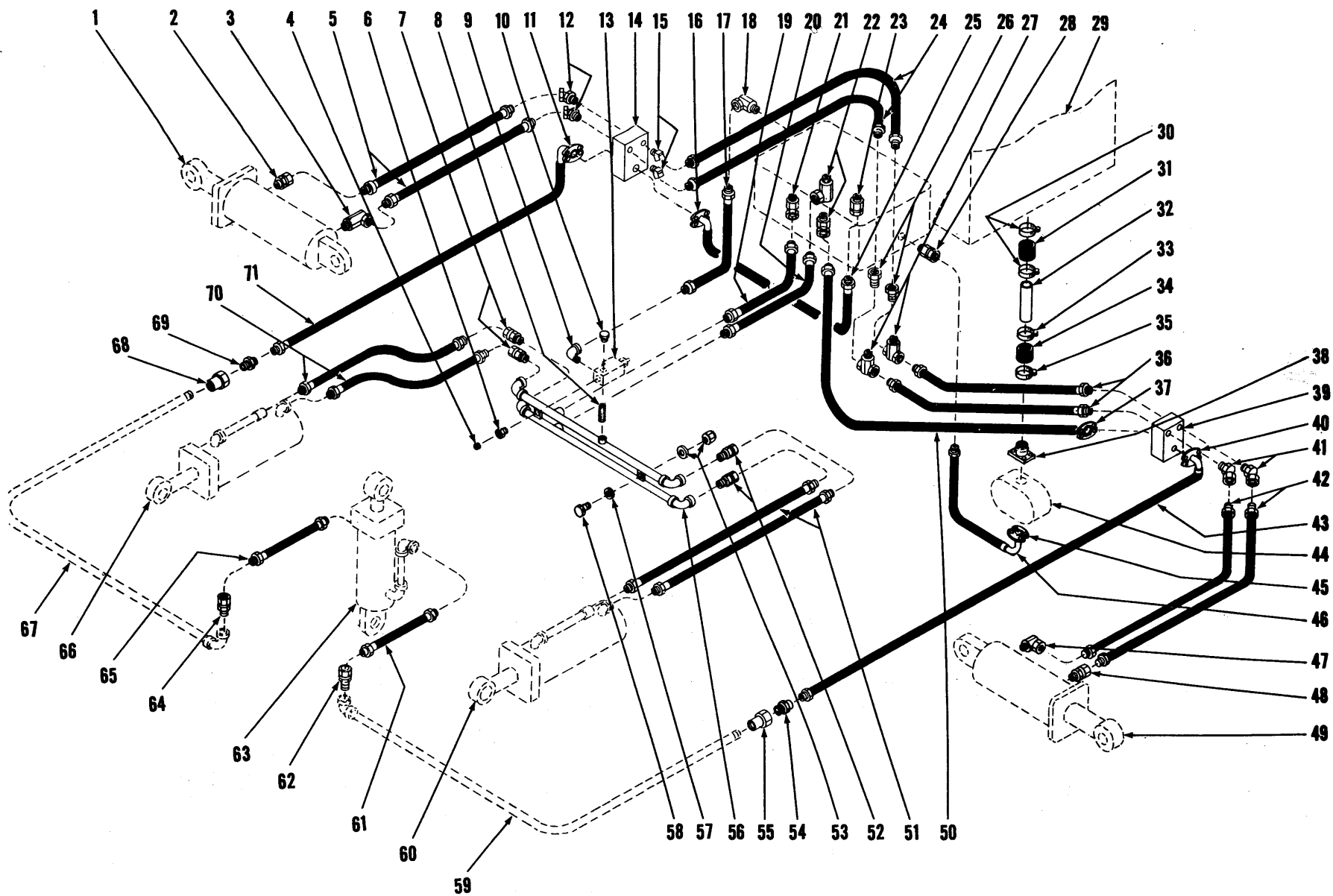
*NOTE: Minor Repair Kit consists of "O" Rings, Back-up Washers, Gaskets and approximately 20% of the hardware items such as bolts, nuts, springs and washers. The latter for the purpose of replacing any of these items lost or damaged in repair operation.

**NOTE: Pump Bodies, Covers and Bearings will not be made available for field use since when these items are worn beyond limits permitting re-use, the cost of rebuilding the pump exceeds practical limits. In such cases a new pump assembly should be utilized.

§Not Sold Separately – Order Kits.

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HYDRAULIC SYSTEM — LIFT, PITCH AND TILT

TS-2823-P

HYDRAULIC SYSTEM — LIFT, PITCH AND TILT

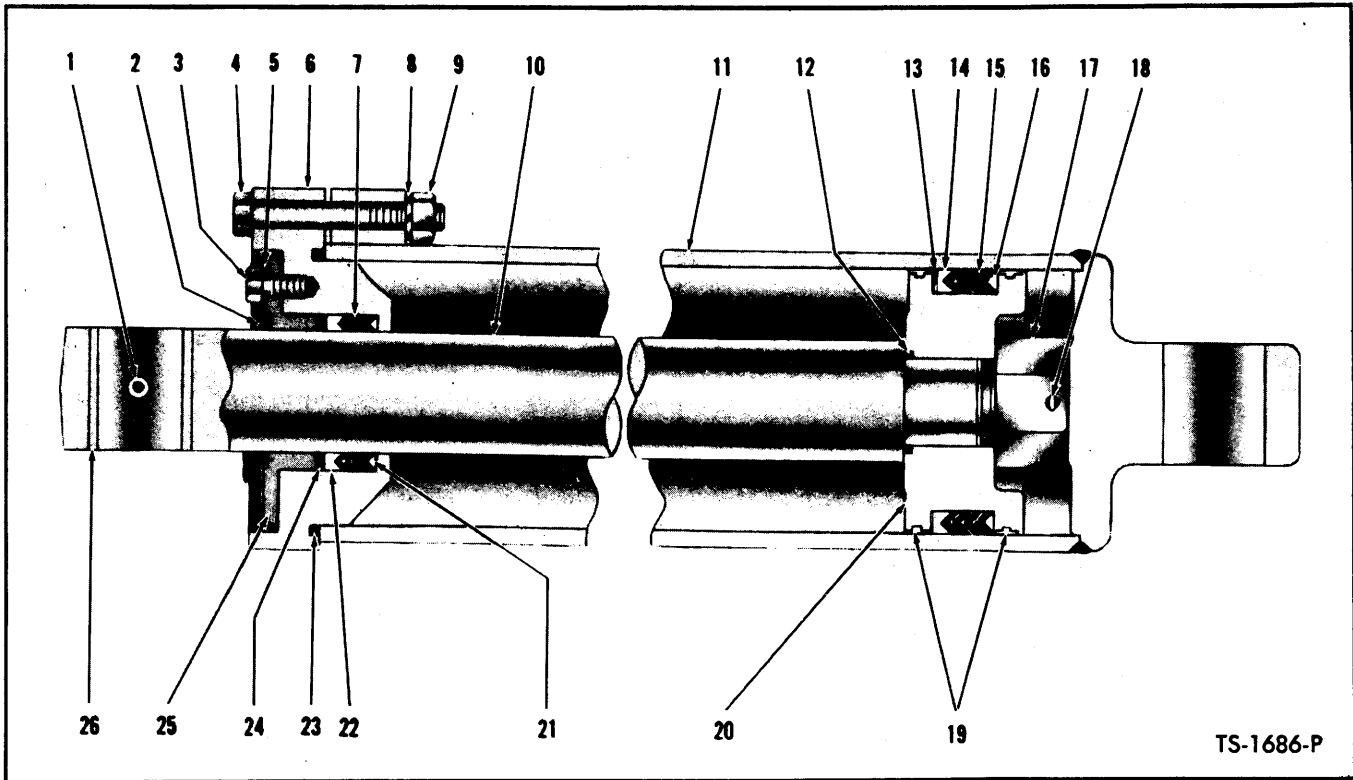
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	TILT CYLINDER — See Index	—	38	-----	STEM, Hose to Pump	—
2	36F-4	ADAPTER	1	38A	553206	For Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC61	1
3	31F-4	ADAPTER	1	38B	527191	Cummins — 2LC62 thru 2LC999; * G.M. — 2LG101 thru 2LG999	1
4	16F-04	PLUG, Relief Valve	1	38C	58K-228	†"O" RING, Stem to Pump	1
5	604617	HOSE, Block to Cylinder	2	38D	1C-824	†BOLT, Stem to Pump	4
6	356624	BUSHING, Relief Valve	1	38E	4E-08	†LKWSHR, Stem to Pump	4
7	36F-6	ADAPTER	2	39	513525	BLOCK, Connector	1
8	5K-814	NIPPLE, Relief Valve to Cross Pipe	1	39A	2C-822	†BOLT, Connector Block	2
9	26F-7	ELBOW, Relief Valve	1	39B	25E-21	†WASHER, Connector Block	2
10	40K-16	PLUG, Relief Valve	1	39C	4E-08	†LKWSHR, Connector Block	2
11	-----	FLANGE HALF (See Group "A" Below)	—	40	-----	FLANGE HALF (See Group "A" Below)	—
12	33F-4	ADAPTER	2	41	33F-4	ADAPTER	2
13	-----	PRESSURE RELIEF VALVE — See Index	—	42	604617	HOSE, Block to Cylinder	2
14	513525	BLOCK, Connector	1	43	525996	HOSE, Block to Pipe	1
14A	2C-822	†BOLT, Connector Block	2	44	-----	PUMP — See Index	—
14B	25E-21	†WASHER, Connector Block	2	45	-----	FLANGE HALF (See Group "C" Below)	—
14C	4E-08	†LKWSHR, Connector Block	2	46	513841	HOSE, Control Valve to Pump	1
15	81F-3	ELBOW, Hose to Block	2	47	31F-4	ADAPTER	1
16	-----	FLANGE HALF (See Group "B" Below)	—	48	36F-4	ADAPTER	1
17	672751	HOSE, Relief Valve to Control Valve	1	49	-----	TILT CYLINDER — See Index	—
18	526027	ADAPTER	1	50	527077	HOSE, Control Valve to Block	1
19	-----	HOSE, Cross Pipe to Control Valve	—	51	658913	HOSE, Cross Pipe to Cylinder	2
19A	352619	For Cummins Powered Machines	1	52	36F-6	ADAPTER	2
19B	582491	For G.M. Powered Machines	1	53	70D-06	NUT, Cross Pipe to Frame	2
20	580168	HOSE, Cross Pipe to Control Valve	1	53A	71D-06	BASE, Cross Pipe to Frame Nut	2
21	31F-6	ADAPTER	1	54	635218	COUPLING, "C" Frame Pipe	1
22	33F-6	ADAPTER	2	55	635209	COUPLING, "C" Frame Pipe	1
23	36F-6	ADAPTER	1	56	526009	CROSS PIPE	1
24	672082	HOSE, Control Valve to Block	2	57	103293	WASHER, Cross Pipe to Frame	2
25	525997	HOSE, Block to Control Valve	1	53	2C-636	BOLT, Cross Pipe to Frame	2
26	356622	BUSHING, Adapter to Control Valve	2	59	-----	PIPE, R.H. "C" Frame — See Index	—
27	661443	ADAPTER TEE	2	60	-----	LIFT CYLINDER — See Index	—
28	36F-7	ADAPTER	1	61	691800	HOSE, Pipe to Cylinder	1
29	-----	RESERVOIR, Hydraulic Oil—See Index	—	62	36F-5	ADAPTER	1
30	540104	*CLAMP, Hose	2	63	-----	PITCH CYLINDER — See Index	—
31	509719	*HOSE, Reservoir to Tube	1	64	36F-5	ADAPTER	1
32	-----	TUBE, Pump Suction	—	65	691800	HOSE, Pipe to Cylinder	1
32A	509989	*For Cummins Powered Machines	1	66	-----	LIFT CYLINDER — See Index	—
32B	540770	For G.M. Powered Machines	1	67	-----	PIPE, L.H. "C" Frame — See Index	—
33	540104	*CLAMP, Hose	1	68	635209	COUPLING, "C" Frame Pipe	1
34	509719	*HOSE, Tube to Stem	1	69	635218	COUPLING, "C" Frame Pipe	1
35	540104	*CLAMP, Hose	1	70	658913	HOSE, Cross Pipe to Cylinder	2
36	672082	HOSE, Control Valve to Block	2	71	525996	HOSE, Block to Pipe	1
37	-----	FLANGE HALF (See Group "B" Below)	—				

†Not Illustrated

*NOTE: When installing 509989 tube on machine serial 2892 thru 2942, 2LC52 thru 2LC96, 2LC112 thru 2LC114; items 30, 31, 33, 34, 35 must also be used.

No. Req'd per Connection GROUP	FLANGE HALF 2	"O" RING 1	BOLT 4	LKWSHR 4	SIZE
"A"	19J16	58K-219	1C-620	4E-06	1"
"B"	19J20	58K-222	1C-724	4E-07	1¼"
"C"	19J24	58K-225	1C-824	4E-08	1½"

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



LIFT CYLINDER ASSEMBLY

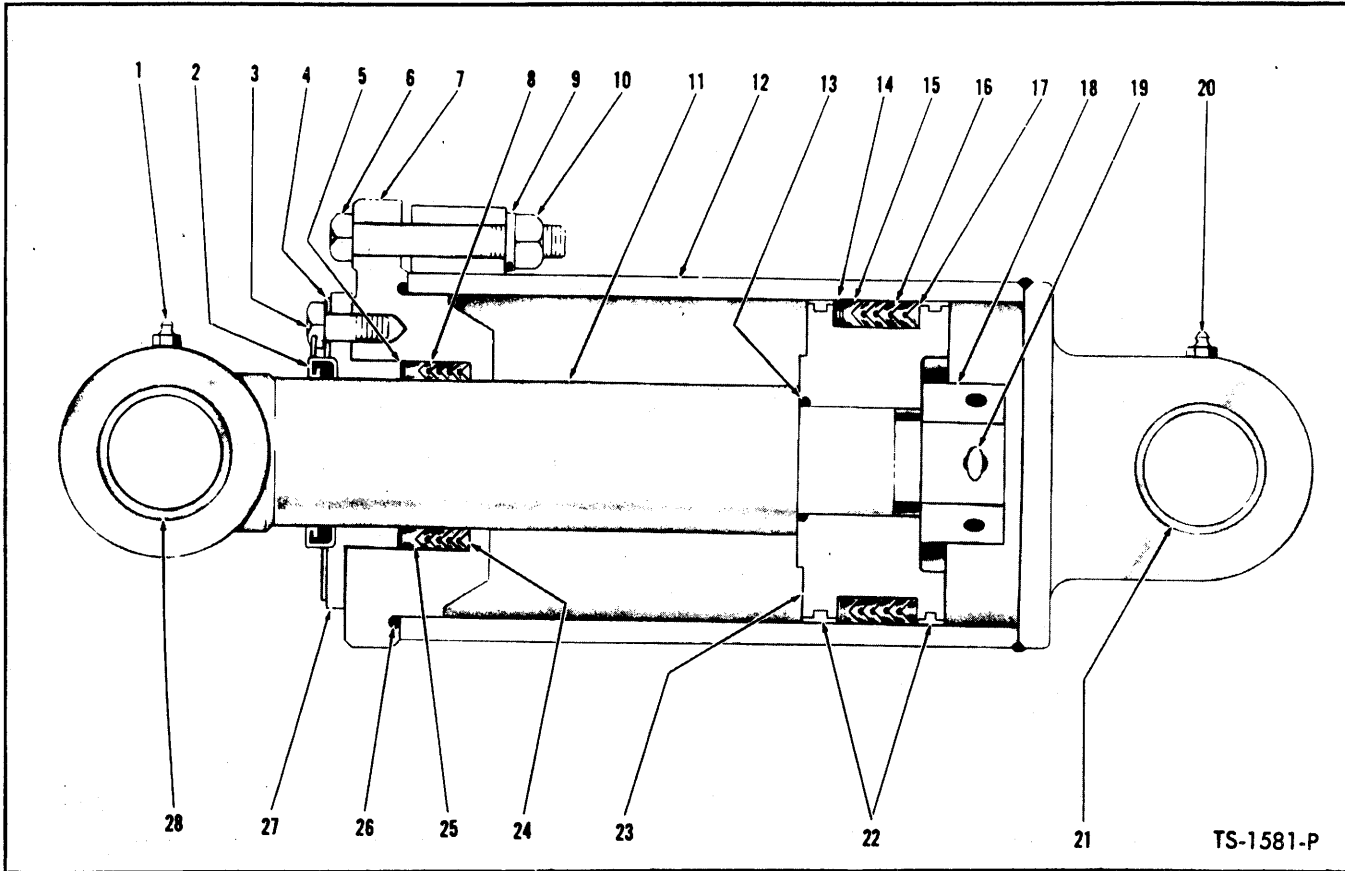
2 Cylinders Used per Machine – Quantity Indicated Is for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.
A	580107	CYLINDER ASSY (Inc. 1 thru 27) ...	1
B	2516062	KIT (Inc. 2, 7, 12, 14 thru 16, 18, 19, 21 thru 23) See Note "B" ...	1
1	11H-15	FITTING, Piston Rod Grease ...	1
2	2516950	SEAL, (Piston Rod Wiper) ...	1
3	3C-816	BOLT, Seal Retainer (1/2" x 1") ...	4
3A	3C-820	BOLT, Seal Retainer (1/2" x 1 1/4") ...	4
3B	28H-16130†	LOCKWIRE ...	2
4	2C-1080	BOLT, Cylinder Cap ...	4
5	550451	RETAINER, Seal (Round) ...	1
5A	522617	RETAINER (Square) ...	1
6	945115 **	CAP, Cylinder ...	1
7	2501108	PACKING, Cylinder Cap – Inc. 21, 22	1
8	—	OMIT LKWSHR when rebuilding Cyl.	—
9	18D-10	NUT, Cylinder Cap ...	4
10	531081	ROD ASSY, Piston (Inc. 26) ...	1

Item No.	Part No.	Description	No. Req'd.
11	580108	CYLINDER (Only) ...	1
12	—	§"O" RING, Piston – See B ...	1
13	514747	‡SHIM, Piston Packing ...	—
14	—	§ADAPTER, Female – See 15 ...	2
15	—	§PACKING, Piston – See B (Inc. 14, 16)	1
16	—	§ADAPTER, Male – See 15 ...	2
17	551606	NUT, Piston Rod ...	1
18	1F-856	COTTER, Piston Rod Nut ...	1
19	—	§RING, Piston Wear – See B ...	2
20	550436	PISTON – See Note "A" ...	1
21	—	§ADAPTER, Male – See 7 ...	2
22	—	§ADAPTER, Female – See 7 ...	2
23	—	§"O" RING, Cylinder Cap – See B ...	1
24	552980	*‡SHIM, Packing Gland Cap ...	—
25	527812	GLAND, Packing ...	1
26	509898	BUSHING, Piston Rod ...	1

†Not Illustrated
 §As Required
 *NOTE: Cylinder cap packing shim no. 552980 is required with Glands that are 1-1/8" deep only. Glands that are 1-3/8" deep do not require shims. **NOTE: 945115 Cap also includes 1-25K-80516 O-Ring & 1-73K-433 Back-Up Ring.
 NOTE "A": For replacement of 550436 Piston (one-piece design) use 1-2516065.
 NOTE "B": For reference see Service Gram S.G.-597A.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BLADE PITCH CYLINDER ASSEMBLY

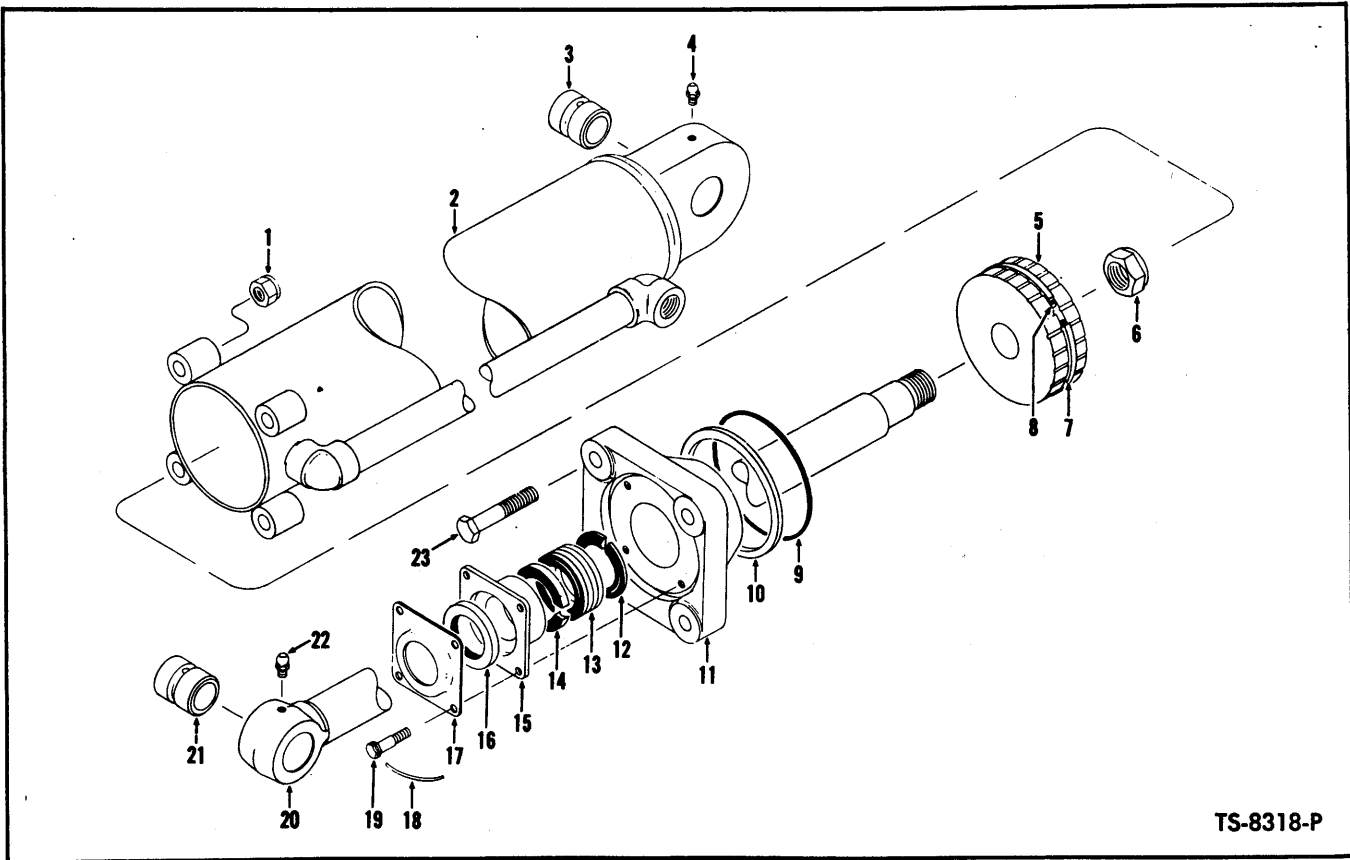
1 Cylinder Used Per Machine

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	580124	CYLINDER ASSY (Inc. 1 thru 29) (See Note "A")	1	12	580126	CYLINDER (Inc. 21)	1
B	2516062	KIT (Inc. 2, 8, 13, 15 thru 17, 19, 22, 24 thru 26) See Note "B"	1	13	-----	§"O" RING, Piston Rod - See B	1
1	10H-25	FITTING, Piston Rod Grease	1	14	514747	‡SHIM, Piston Packing	-
2	2516950	SEAL, Piston Rod Wiper	1	15	-----	§ADAPTER, Female - See 16	2
3	3C-816	BOLT, Wiper Retainer (½" x 1")	4	16	-----	§PACKING, Piston, See B (Inc. 15, 17)	1
3A	3C-820	BOLT, Wiper Retainer (½" x 1¼")	4	17	-----	ADAPTER, Male - See 16	2
3B	28H-16130†	LOCKWIRE	2	18	551606	NUT, Piston Rod	1
4	522617	RETAINER, Piston Rod Seal (Square)	1	19	1F-856	COTTER, Piston Rod Nut	1
4A	550451	RETAINER, Piston Rod Seal (Round)	1	20	10H-35	FITTING, Cylinder Grease	1
5	552980	*‡SHIM, Packing Gland	-	21	531584	BUSHING, Cylinder	1
6	2C-1080	BOLT, Cylinder Cap	4	22	-----	§RING, Piston Wear - See B	2
7	945115	**CAP, Cylinder	1	23	550436	***PISTON	1
8	2501108	PACKING, Cylinder Cap (Inc. 24, 25)	1	24	-----	§ADAPTER, Male - See 8	2
9	-----	OMIT LKWSHR when rebuilding Cyl.	-	25	-----	§ADAPTER, Female - See 8	2
10	18D-10	NUT, Cylinder Cap	4	26	-----	§"O" RING, Cylinder Cap - See B	1
11	550442	ROD ASSY, Piston (Inc. 28)	1	27	527812	GLAND, Packing	1
				28	531584	BUSHING, Piston Rod	1

*NOTE: Cylinder cap packing shim no. 552980 is required with Glands that are 1-1/8" deep only. Glands that are 1-3/8" deep do not require shims. **NOTE: 945115 Cap also includes 1-25K-80516 O-Ring & 1-73K-433 Back-Up Ring. ***NOTE: For replacement of 550436 Piston (one-piece design - use 1-2516065 Kit. NOTE "A": For replacement use 1503598.

NOTE "B": For reference see Service Gram S.G.-597A.
‡As Required †Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



PITCH CYLINDER ASSEMBLY - 6"
One (1) Cylinder Used on Machine
(SERVICE)

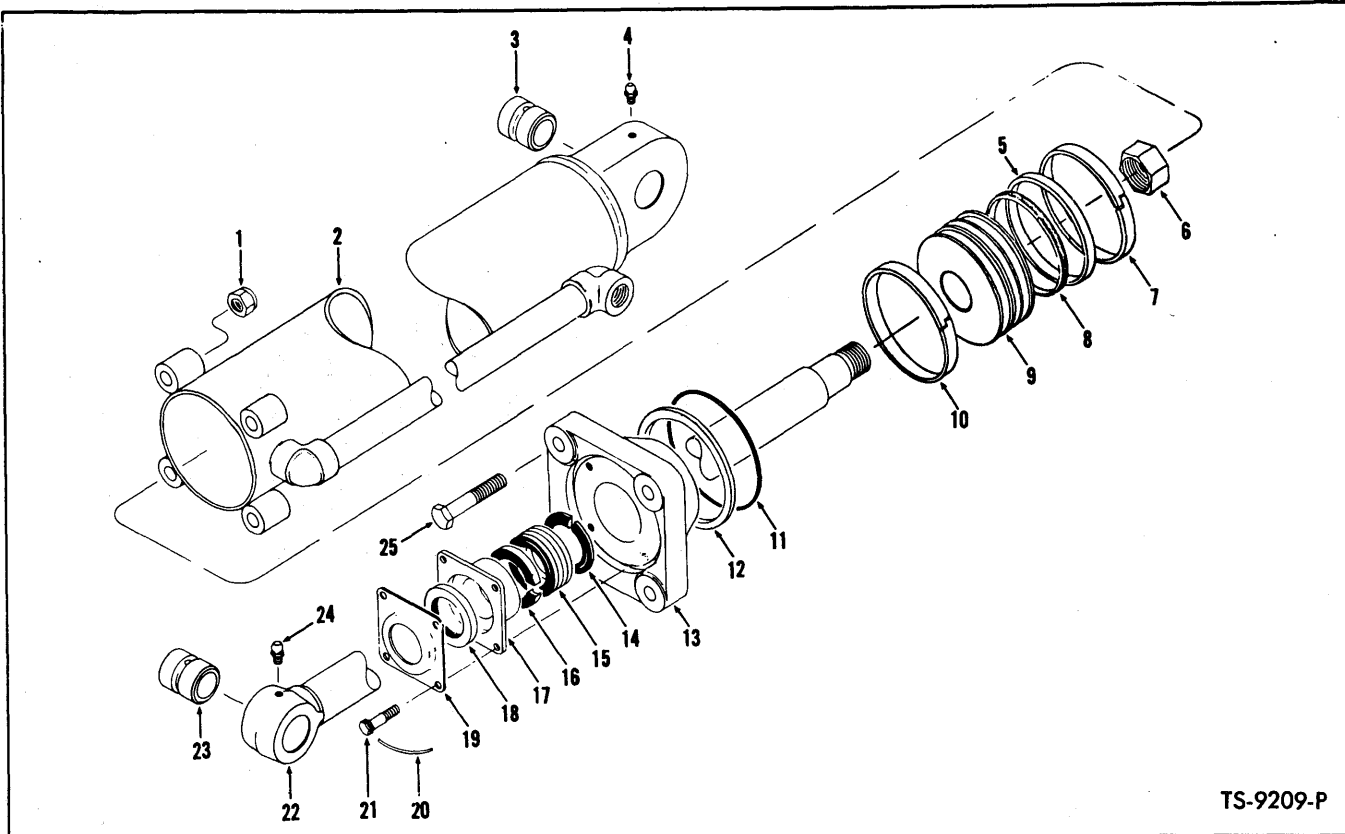
Item No.	Part No.	Description	No. Req'd.
A	1520836	*CYLINDER ASSY (Inc. 1 thru 23)	1
B	2516063	KIT (Inc. 7 thru 10, 12 thru 14, 16) See Note "A"	1
1	18D-10	NUT, Cylinder Cap	4
2	580126	CYLINDER (Inc. 3)	1
3	531584	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	569993	**PISTON	1
6	1520467	NUT, Piston Rod	1
7	-----	§ RING, Piston Sealing - See B	1
8	-----	§ O-RING, Piston - See B	1
9	-----	§ O-RING, Cylinder Cap - See B	1
10	-----	§ RING, Back-Up - See B	1
11	945115	CAP ASSY	1
12	-----	§ ADAPTER, Male - See 13	2
13	2501108	PACKING ASSY (Inc. 12, 14)	1
14	-----	§ ADAPTER, Female - See 13	2
15	527812	GLAND, Packing	1
16	2516950	WIPER, Seal	1
17	522617	RETAINER, Wiper	1
18	-----	LOCKWIRE (16 ga. x 13" lg.)	2
19	3C-820	BOLT, Wiper Retainer	4
20	1520835	ROD ASSY, Piston (Inc. 21)	1
21	531584	BUSHING, Piston Rod	1
22	10H-35	FITTING, Piston Rod Grease	1
23	24C-1072	BOLT, Cylinder Cap	4

§ Not Sold Separately

*NOTE: For complete replacement of 1520836 Cylinder Assembly use 1503598.

**NOTE: For replacement of 569993 use 1502846 Piston plus 1-2516065 Kit.

NOTE "A": For reference see Service Gram S.G.-597A.



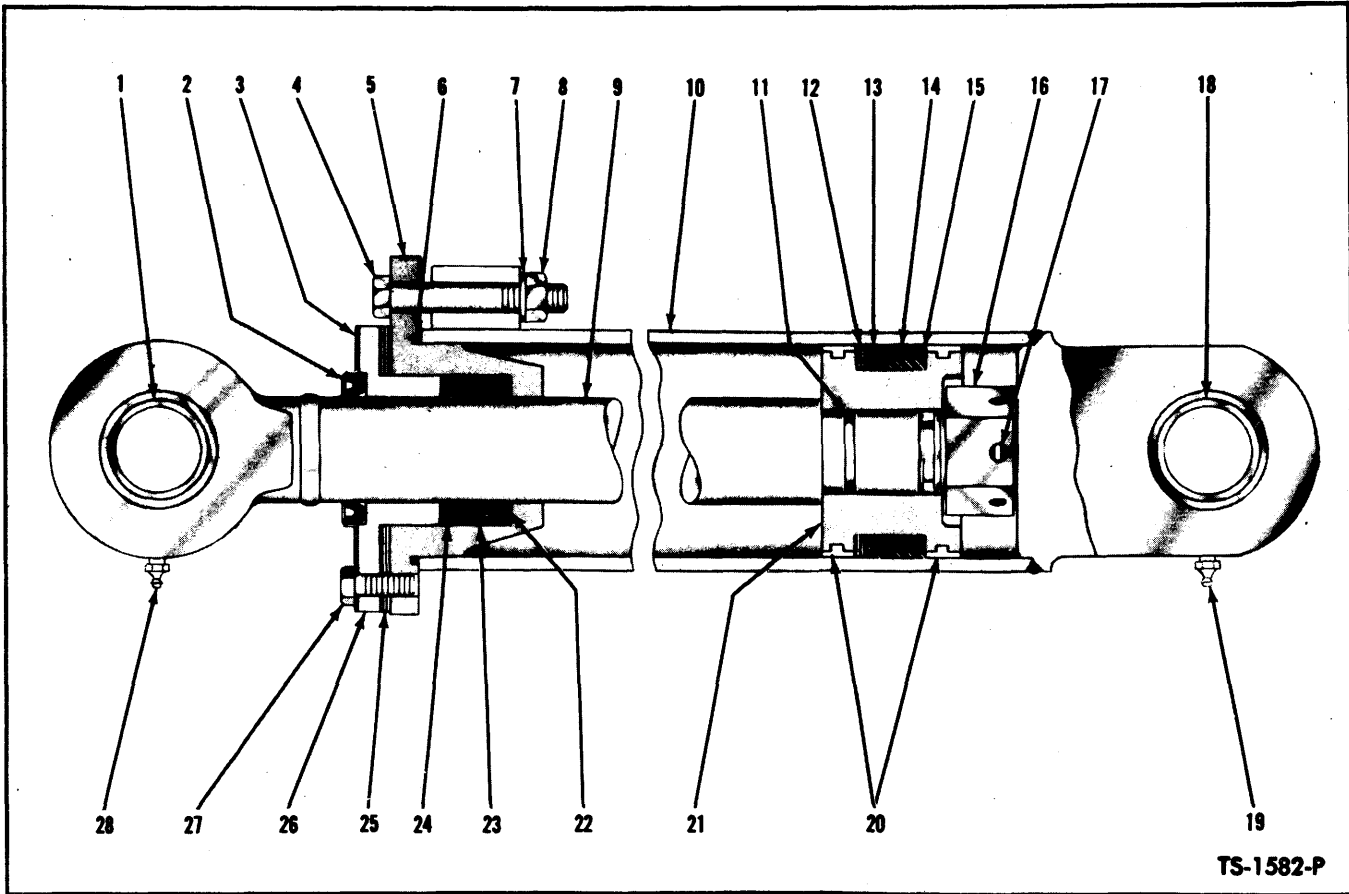
TS-9209-P

PITCH CYLINDER ASSEMBLY – 6"
One (1) Cylinder used on machine
(SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1503598	CYLINDER ASSY (Inc. 1, 2, 3, 5 thru 23, 25)	1
B	2516065	*KIT (Inc. 5, 7, 8, 10 thru 12, 14 thru 16, 18)	1
1	18D-10	NUT, Cylinder Cap	4
2	580126	CYLINDER (Inc. 3)	4
3	531584	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	---	§ RING, Inner Seal – See B	1
6	1520467	NUT, Piston Rod	1
7	---	§ RING, Wear – See B	1
8	---	§ RING, Outer Seal – See B	1
9	1502846	PISTON	1
10	---	§ RING, Wear – See B	1
11	---	§ O-RING, Cylinder Cap – See B	1
12	---	§ RING, O-Ring Back-Up – See B	1
13	945115	CAP ASSY, Cylinder (Inc. 11, 12)	1
14	---	§ ADAPTER, Male Chevron Packing – See 15	1
15	2501108	PACKING ASSY (Inc. 14, 16)	1
16	---	§ ADAPTER, Female Chevron Packing – See 15	1
17	527812	GLAND, Packing	1
18	2516950	SEAL, Piston Rod	1
19	522617	RETAINER, Seal	1
20	---	LOCKWIRE (16 ga. x 13" lg.)	2
21	3C-820	BOLT, Packing Gland	4
22	1520835	ROD ASSY, Piston (Inc. 23)	1
23	531584	BUSHING, Piston Rod	1
24	10H-35	FITTING, Piston Rod Grease	1
25	24C-1072	BOLT, Cylinder Cap	4

§ Not Sold Separately

*NOTE: For reference see Service Gram S.G.-597A.



TS-1582-P

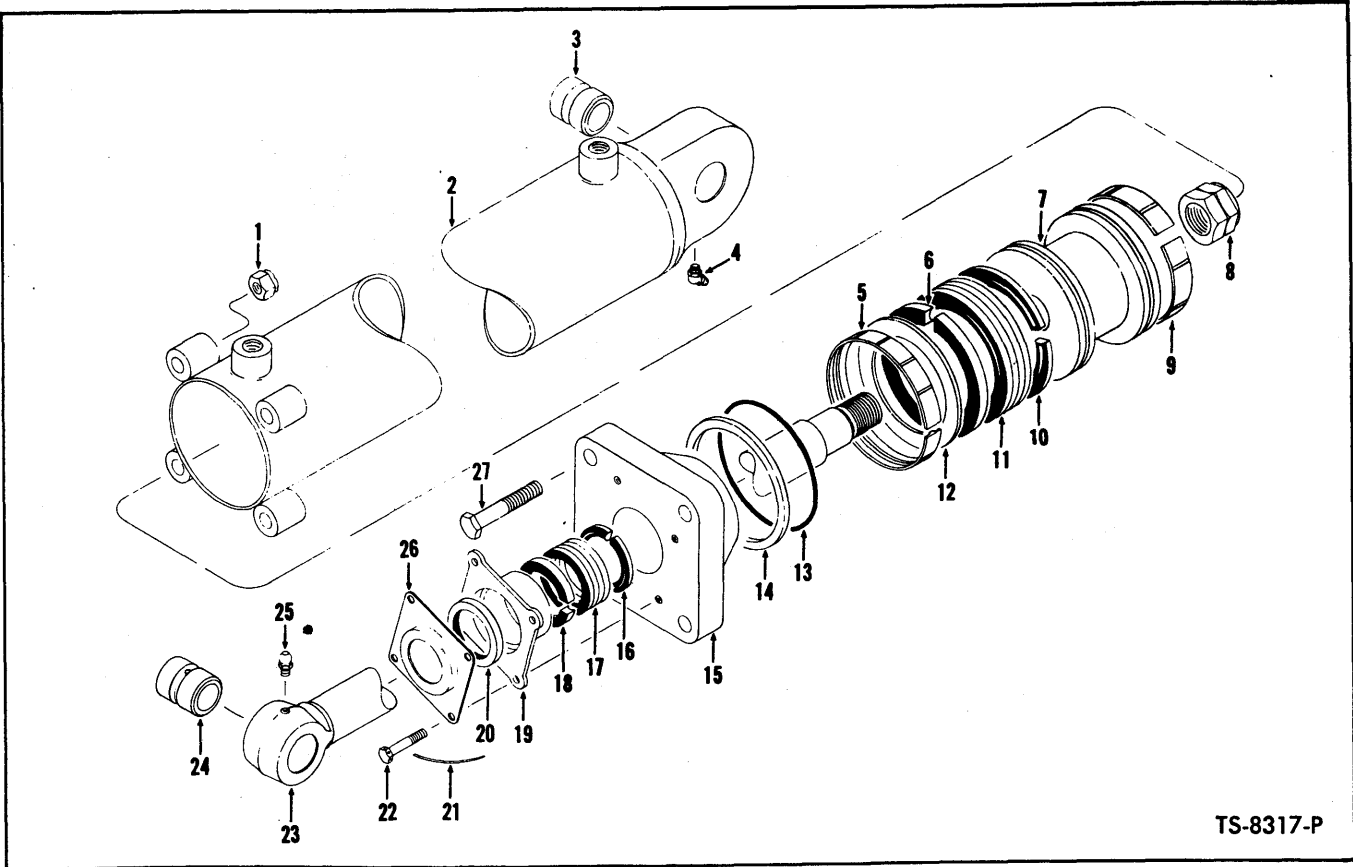
TILT CYLINDER ASSEMBLY — "C" FRAME

2 Cylinders Used on Machine — Quantity Indicated is for 1 Cylinder

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	522277	**CYLINDER ASSY (Inc. 1 thru 28) . . .	1	16	517298	NUT, Piston Rod	1
B	2516074	KIT (Inc. 2, 11, 12, 13, 14, 15, 17, 20, 22 thru 25) See Note "C"	1	17	1F-540	COTTER, Piston Rod Nut	1
1	552766	BUSHING, Piston Rod	1	18	552766	BUSHING, Cylinder	1
2	941568	WIPER, Piston Rod	1	19	11H-25	FITTING, Cylinder Grease	1
3	512797	RETAINER, Piston Rod Wiper	1	20	-----	§ RING, Piston Wear — See B	2
4	2C-752	BOLT, Cylinder Cap	4	21	512789	PISTON — See Note "B"	1
5	945112	*CAP, Cylinder (See Note "A")	1	22	-----	§ ADAPTER, Male Chevron Packing (V-Ring) — See 23	2
6	25K-40320	"O" RING, Cylinder Cap	1	23	2501106	PACKING ASSY, Cylinder Cap (Inc. 22, 24)	1
7	-----	OMIT LKWSHR when rebuilding Cyl. —	—	24	-----	§ ADAPTER, Female Chevron Packing (T-Ring) — See 23	1
8	18D-07	NUT, Cylinder Cap	4	25	517581	‡SHIM, Packing Gland	—
9	522273	ROD ASSY, Piston (Inc. 1)	1	26	526451	*GLAND, Packing	1
10	522276	CYLINDER (Inc. 18)	1	27	4C-616	BOLT, Wiper Retainer — 3/8" x 1" . . .	4
11	-----	§ "O" RING, Piston Rod — See B	1	27A	4C-620	†BOLT, Wiper Retainer — 3/8" x 1" . . .	4
12	-----	§ ‡SHIM, Piston Packing — See B	—	27B	28H-16120	†LOCKWIRE	2
13	-----	§ ADAPTER, Female — See B	2	28	10H-25	FITTING, Piston Rod Grease	1
14	-----	§ PACKING ASSY, Piston—See B (Inc. 13, 15) 1	1				
15	-----	§ ADAPTER, Male — See B	2				

‡As Required
 *NOTE: When replacing items 5 or 26 on machines Serial: Cummins — 2892 thru 2942, 2LC52 thru 2LC161; G.M. — 2LG101 thru 2LG116 it is necessary that both items be changed at the same time.
 **NOTE: For complete replacement use 1503986.
 NOTE "A": 945112 also includes 1—25K-40308 O-Ring & 1—73K-236 Back-Up Ring.
 NOTE "B": For replacement use 1503639 Piston plus 1—2516071 Kit.
 NOTE "C": For reference see Service Gram S.G.-597A.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



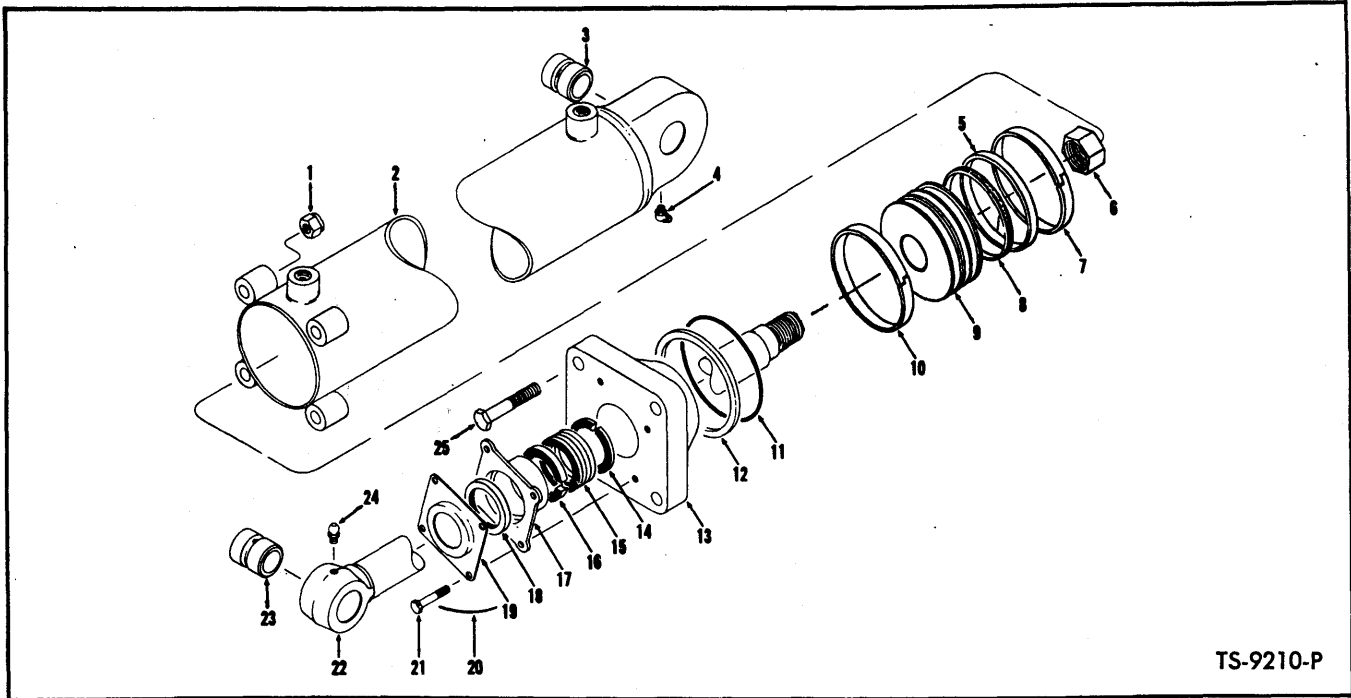
TS-8317-P

TILT CYLINDER ASSEMBLY – 3½"
(SERVICE)

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	1520870	*CYLINDER ASSY (Inc. 1 thru 27) . . .	2	12	§‡SHIM – See B	—	
B	2516074	KIT (Inc. 5, 6, 9 thru 14, 16 thru 18, 20) See Note "A"	1	13	§O-RING, Cylinder Cap – See B	1	
<p>NOTE: 2 Cylinders used on machine – Quantities listed below are for 1 Cylinder</p>				14	§RING, Back-Up – See B	1	
1	18D-07	NUT, Cylinder Cap	4	15	945112 CAP, Cylinder (Inc. 13, 14)	1	
2	522276	CYLINDER (Inc. 3)	1	16	§ADAPTER, Male – See 17	2	
3	552766	BUSHING, Cylinder	1	17	2501106 PACKING ASSY (Inc. 16, 18)	1	
4	11H-25	FITTING, Cylinder Grease	1	18	§ADAPTER, Female – See 17	2	
5	—	§RING, Wear – See B	1	19	526451 GLAND, Packing	1	
6	—	§ADAPTER, Female – See B	2	20	941568 WIPER SEAL	1	
7	512789	**PISTON	1	21	— LOCKWIRE (16 ga. x 12" lg.)	2	
8	18D-20	NUT, Piston Rod	1	22	4C-620 BOLT, Packing Gland	1	
9	—	§RING, Wear – See B	1	23	1520867 ROD ASSY (Inc. 23)	1	
10	—	§ADAPTER, Male – See B	2	24	552766 BUSHING, Piston Rod	1	
11	—	§PACKING ASSY – See B	1	25	10H-25 FITTING, Piston Rod Grease	1	
				26	512797 RETAINER, Wiper Seal	1	
				27	24C-752 BOLT, Cylinder Cap	4	

‡As Required §Not Sold Separately
 *NOTE: For complete replacement of 1520870 Cylinder Assembly use 1503986.
 **NOTE: For replacement of 512789 use 1503639 Piston plus 1-2516071 Kit.
 NOTE "A": For reference see Service Gram S.G.-597A.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



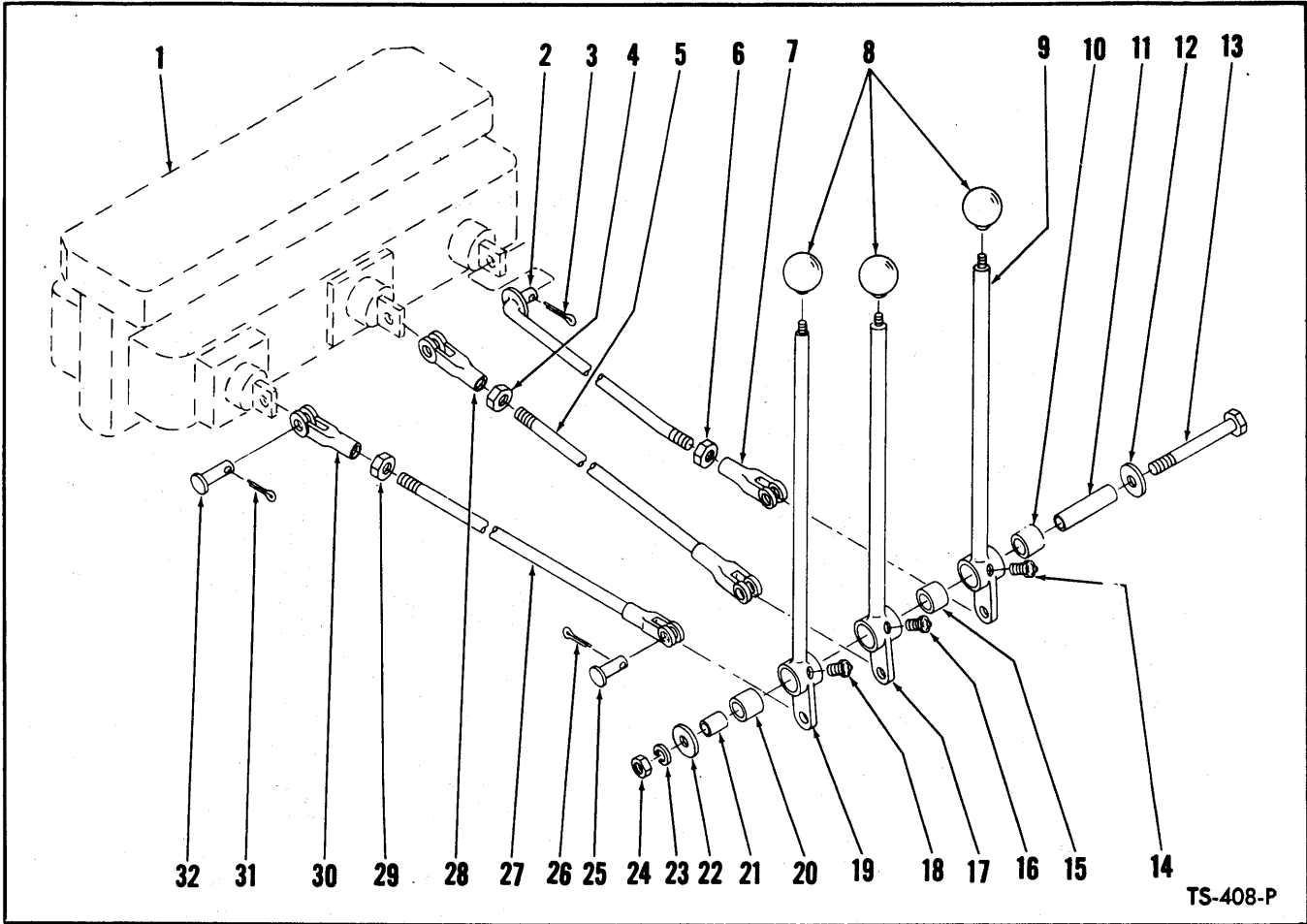
TS-9210-P

TILT CYLINDER ASSEMBLY — 3 1/2"
2 Cylinders used on machine — Quantities below are for 1 Cylinder
(SERVICE)

Item No.	Part No.	Description	No. Req'd.
A	1503986	CYLINDER ASSY (Inc. 1, 2, 3, 5 thru 22, 23, 25)	1
B	2516071	*KIT (Inc. 5, 7, 8, 10 thru 12, 14 thru 16, 18)	1
1	18D-07	NUT, Cylinder Cap	4
2	522276	CYLINDER (Inc. 3)	1
3	552766	BUSHING, Cylinder	1
4	10H-25	FITTING, Cylinder Grease	1
5	----	§ RING, Inner Seal — See B	1
6	18D-20	NUT, Piston Rod	1
7	----	§ RING, Wear — See B	1
8	----	§ RING, Outer Seal — See B	1
9	1503639	PISTON	1
10	----	§ RING, Wear — See B	1
11	----	§ O-RING, Cylinder Cap — See B	1
12	----	§ RING, O-Ring Back-Up — See B	1
13	945112	§ CAP ASSY, Cylinder (Inc. 11, 12)	1
14	----	ADAPTER, Male Chevron Packing — See 15	2
15	2501106	§ PACKING ASSY (Inc. 14, 16)	1
16	----	ADAPTER, Female Chevron Packing — See 15	2
17	526451	GLAND, Packing	1
18	941568	SEAL, Piston Rod	1
19	512797	RETAINER, Seal	1
20	----	LOCKWIRE (16 ga. x 12" lg.)	2
21	4C-620	BOLT, Packing Gland	4
22	1520867	ROD ASSY, Piston (Inc. 23)	1
23	552766	BUSHING, Piston Rod	1
24	11H-25	FITTING, Piston Rod Grease	1
25	24C-752	BOLT, Cylinder Cap	4

*NOTE: For reference see Service Gram S.G.-597A.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



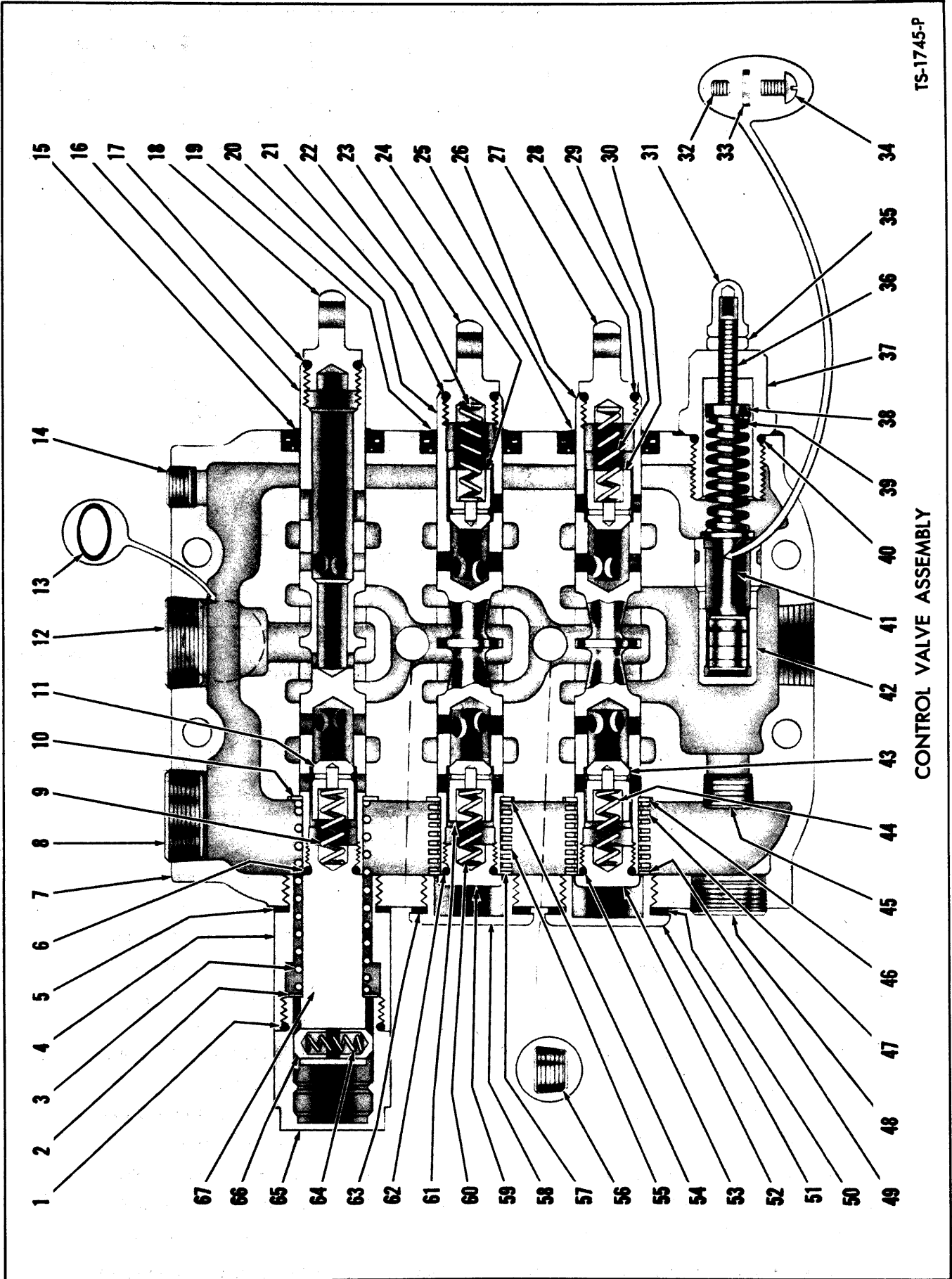
VALVE CONTROL LEVERS AND LINKAGE

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	-----	CONTROL VALVE — See Index	—	17	551444	LEVER, Valve — Pitch	1
2	525028	ROD, Valve — Tilt	1	18	10H-25	FITTING, Lift Lever Grease	1
3	1F-414	COTTER, Rod to Valve	1	19	580163	LEVER, Valve — Lift	1
4	8D-08	NUT, Clevis Jam	1	20	526767	BUSHING, Lift Lever	1
5	525025	ROD, Valve—Pitch	1	21	550646	SLEEVE, Lever Mounting	1
6	8D-08	NUT, Clevis Jam	1	22	616796	WASHER, Lever Mounting	1
7	2J-8300	CLEVIS, Tilt Lever to Rod	1	23	OMIT	LKWSHR, Lever Mounting	—
8	509772	KNOB, Valve Lever	3	24	18D-08	NUT, Lever Mounting	1
9	553542	LEVER, Valve—Tilt	1	25	4F-08127	PIN, Rod to Lever	3
10	526767	BUSHING, Tilt Lever	1	26	1F-414	COTTER, Rod to Lever Pin	3
11	553525	SLEEVE, Lever Mounting	1	27	525022	ROD, Valve — Lift	1
12	616796	WASHER, Lever Mounting	1	28	2J-8300	CLEVIS, Pitch Rod to Valve	1
13	24C-892	BOLT, Lever Mounting	1	29	8D-08	NUT, Clevis Jam	1
14	10H-25	FITTING, Tilt Lever Grease	1	30	2J-8300	CLEVIS, Lift Rod to Valve	1
15	526767	BUSHING, Pitch Lever	1	31	1F-414	COTTER, Rod to Lever Pin	2
16	10H-25	FITTING, Pitch Lever Grease	1	32	4F-08127	PIN, Clevis to Valve	2

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

TS-1745-P

CONTROL VALVE ASSEMBLY

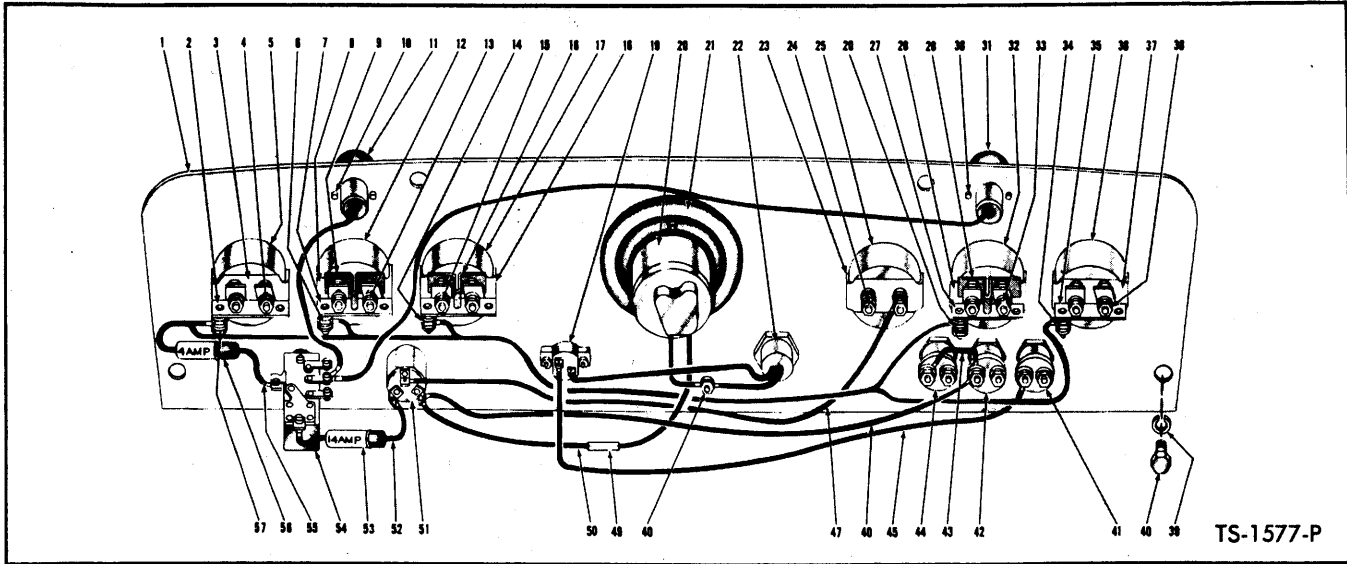


CONTROL VALVE ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	525127	VALVE ASSY, Control (Inc. 1 thru 67)	1	35	8D-06	NUT, Relief Valve Jam	1
1	58K-225	"O" RING, Detent Cap	1	36	940278	SCREW, Relief Valve Adjustment	1
2	616836	WASHER, Plunger Return Spring	1	37	940277	CAP, Relief Spring	1
3	943198	SPRING, Plunger Return	1	38	940160	GUIDE, Relief Spring	1
4	941462	SLEEVE, Detent	1	39	940099	SPRING, Relief	1
5	940102	GASKET, Detent Sleeve	1	40	25K-40108	"O" RING, Relief Spring Cap	1
6	25K-40028	"O" RING, Plunger	1	41	940098	PLUNGER, Relief	1
7	-----	§HOUSING, Valve	1	42	940097	SEAT, Relief Plunger	1
8	16F-20	PLUG, Housing Cleanout Pipe	1	43	941463	VALVE, Plunger Check	1
9	940166	SPRING, Plunger Check Valve	1	44	940166	SPRING, Plunger Check Valve	1
10	940165	SPACER, Return Spring	1	45	16F-12	PLUG Housing Relief Pipe	1
11	941463	VALVE, Plunger Check	1	46	940165	SPACER, Return Spring	1
12	16F-20	PLUG, Housing Aux. Discharge Pipe	1	47	940167	SPRING, Plunger Return	1
13	25K-40124	"O" RING, Valve to Reservoir	1	48	16F-20	PLUG, Housing Pipe	1
14	16F-08	PLUG, Housing Cleanout Pipe	1	49	940165	SPACER, Return Spring	1
15	961811	SEAL, Plunger	1	50	940102	GASKET, Housing Cap	1
16	-----	PLUNGER	1	51	940273	CAP, Housing	1
17	25K-40028	"O" RING, Plunger	1	52	940274	CAP, Plunger	1
18	940279	EYE, Plunger End	1	53	25K-40028	"O" RING, Plunger	1
19	961811	SEAL, Plunger	1	54	940165	SPACER, Return Spring	1
20	-----	§PLUNGER	1	55	940167	SPRING, Plunger Return	1
21	25K-40028	"O" RING, Plunger	1	56	16F-08	PLUG, Housing Pipe	2
22	940166	SPRING, Plunger Check Valve	1	57	940165	SPACER, Return Spring	1
23	940279	EYE, Plunger End	1	58	940273	CAP, Housing	1
24	941463	VALVE, Plunger Check	1	59	940274	CAP, Plunger	1
25	961811	SEAL, Plunger	1	60	940166	SPRING, Plunger Check Valve	1
26	-----	§PLUNGER	1	61	941463	VALVE, Plunger Check	1
27	940279	EYE, Plunger End	1	62	25K-40028	"O" RING, Plunger	1
28	25K-40028	"O" RING, Plunger	1	63	940102	GASKET, Housing Cap	1
29	940166	SPRING, Plunger Check Valve	1	64	941466	SPRING, Detent Poppet	1
30	941463	VALVE, Plunger Check	1	65	941461	CAP, Housing Detent	1
31	863045	NUT, Relief Valve Acorn	1	66	941465	POPPET, Detent	2
32	15G-508	SCREW, Relief Seat Set	1	67	941464	CAP, Detent Poppet	1
33	863053	GASKET	1	68	2C-872	†BOLT, Valve to Reservoir	3
34	863052	SCREW, Relief Seat Lock	1	69	4E-08	†LKWSHR, Valve to Reservoir	3

†Not Illustrated
§Not Sold Separately

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



INSTRUMENT PANEL ASSEMBLY — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	525464	PANEL, Instrument	1	28	626530	CLAMP, Instrument	1
2	525374	ADAPTER, Voltage	1	29	602350	SEPARATOR, Terminal	1
3	626530	CLAMP, Instrument	1	30	18G-606	SCREW	2
4	12D-8	NUT	3	30A	12E-6	†LKWSHR	2
4A	12E-8	LKWSHR	2	31	525502	LAMP, Dash — See Note "B"	1
5	551321	GAUGE, Torque Conv. Temperature	1	32	523372	GAUGE, Engine Oil Pressure	1
6	14D-10	NUT	2	33	12D-8	NUT	3
6A	12E-10	LKWSHR	1	33A	12E-8	LKWSHR	2
7	551254	§ADAPTER, Voltage — See Note "C"	1	34	14D-10	NUT	2
8	626530	CLAMP, Instrument	1	34A	12E-10	LKWSHR	1
9	602350	SEPARATOR, Terminal	1	35	525374	ADAPTER, Voltage	1
10	18G-606	SCREW	2	36	551320	GAUGE, Engine Temperature	1
10A	12E-6	†LKWSHR	2	37	626530	CLAMP, Instrument	1
11	551499	LAMP, Dash — See Note "A"	1	38	12D-8	NUT	3
12	517228	GAUGE, Air Pressure — See Note "C"	1	38A	12E-8	LKWSHR	2
13	12D-8	NUT	3	39	4E-06	LKWSHR	4
13A	12E-8	LKWSHR	2	40	2C-610	BOLT	4
14	14D-10	NUT	2	41	600259	BUTTON, Glow Plug Push	1
14A	12E-10	LKWSHR	1	42	600259	SWITCH, Fuel	1
15	12D-8	NUT	3	43	675682	WIRE, Fuel Switch to Starter Button	1
15A	12E-8	LKWSHR	2	44	600259	BUTTON, Starter Push	1
16	602350	SEPARATOR	1	45	525578	WIRE, Circuit Breaker to Glow Plug Button	1
17	551320	GAUGE, Fuel	1	46	553620	WIRE, Key Switch to Starter Button	1
17A	551254	§ADAPTER, Voltage — See Note "C"	1	47	525578	WIRE, Key to Ammeter	1
18	626530	CLAMP	1	48	3G-1010	SCREW, Ground Wire to Panel	1
19	—	*BREAKER, Circuit, Cummins #108102	1	48A	12D-10	NUT	1
19A	3G-810	†SCREW, Circuit Breaker to Panel	2	48B	17E-10	LKWSHR	1
20	525589	**HOURMETER	1	49	602355	CONNECTOR, Wire	1
21	551251	DAMPENER, Vibration	1	50	652753	WIRE, Key Switch to Hourmeter	1
21A	3G-604	†SCREW, Vibration Dampener	3	51	573548	SWITCH, Key	1
21B	12E-6	†LKWSHR, Vibration Dampener	3	52	552942	WIRE	1
22	—	*LIGHT, Indicator, Cummins #115007	1	53	661555	FUSE, 14 Amp Line	1
22A	614136	†TERMINAL, Indicator Light	2	54	2514253	SWITCH, Light — See Note "D"	1
22B	614142	†SLEEVE, Indicator Light	2	54A	550742	†ROD, Light Switch	1
23	601212	CLAMP, Ammeter	1	54B	550743	†BUSHING, Light Switch	1
24	14D-10	NUT	4	55	525501	WIRE	1
24A	12E-10	LKWSHR	2	56	661556	FUSE, 4 Amp Line	1
25	550735	AMMETER	1	57	14D-10	NUT	2
26	14D-10	NUT	2	57A	12E-10	LKWSHR	1
26A	12E-10	LKWSHR	1				
27	551254	§ADAPTER, Voltage — See Note "C"	1				

†Not Illustrated

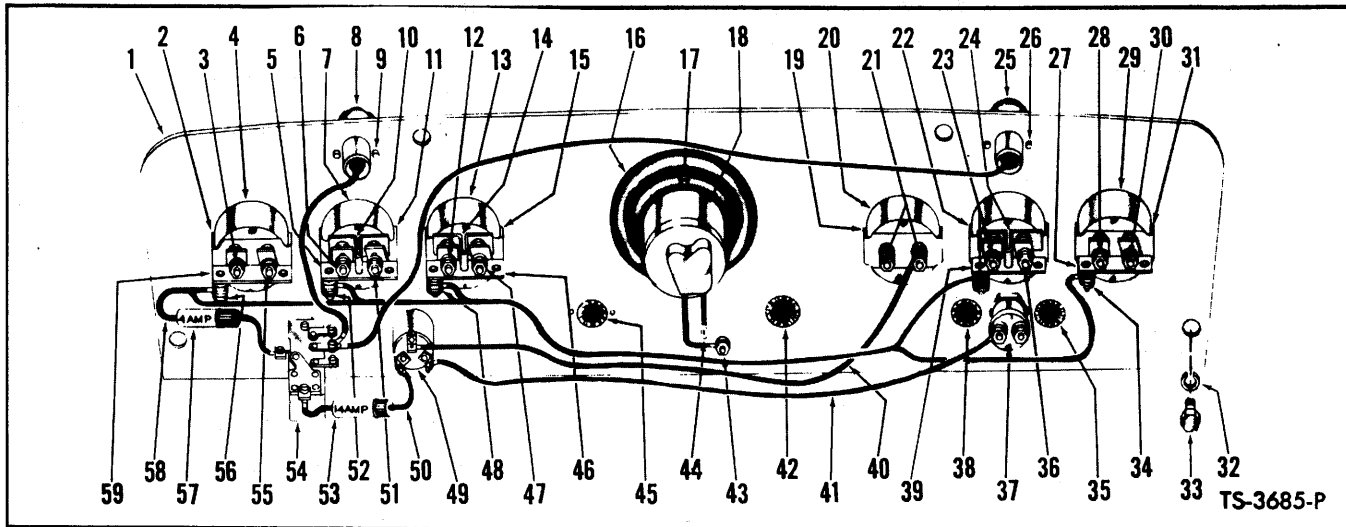
*NOTE: Your local authorized Cummings distributor is equipped to service and supply these parts.

**NOTE: For replacement of 525589 Hourmeter use 784700 plus 1—556952 Wire & 1—556953 Wire.

NOTE "A": For replacement of 551499 Lamp use 574276 plus 1—945055 Bulb & 1—574275 Tab.

NOTE "B": For replacement of 525502 Lamp use 1—946282 plus 1—945055 Bulb. NOTE "C": For replacement refer to Service Gram

S.G.-326B. NOTE "D": For replacement the mounting hole must be enlarged to .4688.



INSTRUMENT PANEL ASSEMBLY – G.M.

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	525464	PANEL, Instrument	1	33	2C-610	BOLT, Panel to Shroud	4
2	626530	CLAMP, Instrument	1	34	12D-8	NUT	1
3	12D-8	NUT	2	34A	12E-8	†LKWSHR	1
3A	12E-8	†LKWSHR	1	35	696073	BUTTON, Plug	1
4	551321	GAUGE, Torque Conv. Temperature	1	36	14D-10	NUT	2
5	551254	§ADAPTER, Voltage – See Note "B"	1	36A	12E-10	†LKWSHR	1
6	12D-8	NUT	2	37	600259	BUTTON, Starter Push	1
6A	12E-8	†LKWSHR	1	38	696073	BUTTON, Plug	1
7	517228	GAUGE, Air Pressure—See Note "B"	1	39	551254	§ADAPTER, Voltage—See Note "B"	1
8	551499	DASH LAMP – See Note "A"	1	40	525578	WIRE, Ignition Switch to Ammeter	1
9	18G-606	SCREW, Dash Lamp	2	41	553620	WIRE, Ignition Switch to Starter Button	1
9A	12E-6	†LKWSHR, Dash Lamp	2	42	525591	BUTTON, Plug	1
10	602350	SEPARATOR, Terminal	1	43	3G-1010	SCREW, Hourmeter Ground Wire to Panel	1
11	626530	CLAMP, Instrument	1	43A	12D-10	†NUT, Hourmeter Ground Wire to Panel	1
12	12D-8	NUT	2	43B	17E-10	†LKWSHR, Hourmeter Ground Wire to Panel	1
12A	12E-8	†LKWSHR	1	44	602297	TERMINAL, Hourmeter Wire Tip	1
13	551320	GAUGE, Fuel	1	45	696073	BUTTON, Plug	1
14	602350	SEPARATOR, Terminal	1	46	551254	§ADAPTER, Voltage—See Note "B"	1
15	626530	CLAMP, Instrument	1	47	14D-10	NUT	2
16	551251	DAMPENER, Vibration	1	47A	12E-10	†LKWSHR	1
17	3G-604	SCREW, Vibration Dampener to Panel	3	48	12D-8	NUT	1
17A	12E-6	†LKWSHR, Vib. Dampener to Panel	3	48A	12E-8	†LKWSHR	1
18	525589	* HOURMETER	1	49	573548	SWITCH, Ignition	1
19	601212	CLAMP, Instrument	1	50	552942	WIRE, Ignition Switch to Light Switch	1
20	550735	AMMETER	1	51	14D-10	NUT	2
21	14D-10	NUT	4	51A	12E-10	†LKWSHR	1
21A	12E-10	†LKWSHR	2	52	12D-8	NUT	1
22	523372	GAUGE, Engine Oil Pressure	1	52A	12E-8	†LKWSHR	1
22A	626530	CLAMP, Instruments	1	53	661556	FUSE, 14 Amp	1
23	12D-8	NUT	2	54	2514253	LIGHT SWITCH—See Note "C"	1
23A	12E-8	†LKWSHR	1	54A	550742	†ROD, Light Switch	1
24	602350	SEPARATOR, Terminal	1	54B	550743	†BUSHING, Light Switch	1
25	525502	**LAMP, Dash	1	55	14D-10	NUT	2
26	18G-606	SCREW, Dash Lamp	2	55A	12E-10	†LKWSHR	1
26A	12E-6	†LKWSHR, Dash Lamp	2	56	12D-8	NUT	1
27	525374	ADAPTER, Voltage	1	56A	12E-8	†LKWSHR	1
28	12D-8	NUT	2	57	661555	FUSE, 4 Amp	1
28A	12E-8	†LKWSHR	1	58	525501	WIRE, Light Switch to Gauge	1
29	551322	GAUGE, Engine Temp. – See Note "B"	1	59	525374	ADAPTER, Voltage	1
30	14D-10	NUT	2				
30A	12E-10	†LKWSHR	1				
31	626530	CLAMP, Instrument	1				
32	4E-06	LKWSHR	4				

NOTE "A": For replacement of 551499 Lamp use 1-574276 plus 1-945055 Bulb & 1-574275 Tab. †Not Illustrated

NOTE "B": For replacement refer to Service Gram S.G.-326B.

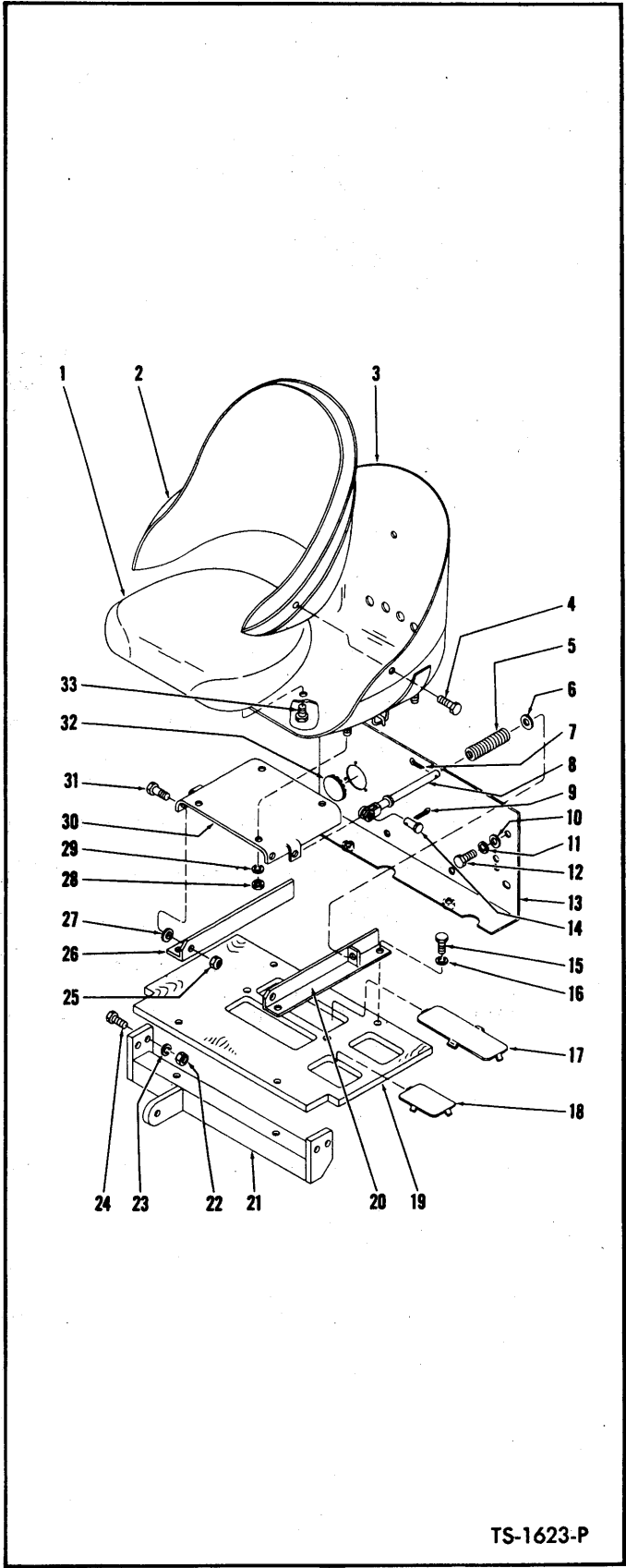
NOTE "C": For replacement the mounting hole must be enlarged to .4688.

§ Not Sold Separately

*NOTE: For replacement of 525589 Hourmeter use 1-784700 plus 1-556952 & 556953 Wire.

**NOTE: For replacement of 525502 Lamp use 946282 Lamp plus 1-945055 Bulb.

BUCKET SEAT ASSEMBLY — CUMMINS
For Serial 2892 thru 2942, 2LC52 thru 2LC156



TS-1623-P

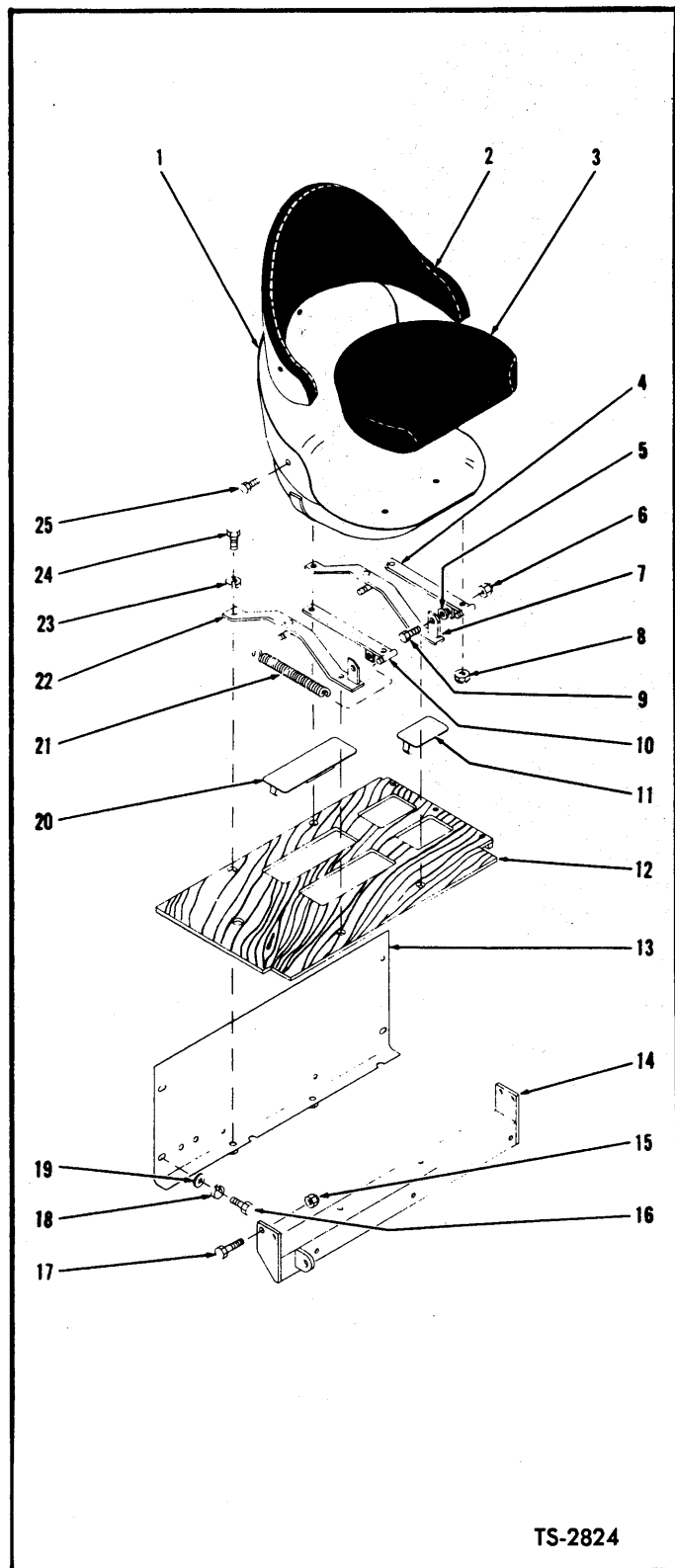
Item No.	Part No.	Description	No. Req'd.
A	1572355	SEAT ASSY, Bucket (Inc. 1, 2, 3, 4, 33)	1
1	944499	CUSHION, Seat	1
2	944498	CUSHION, Back-Rest	1
3	944497	BUCKET, Seat	1
4	1C-610	BOLT, Back-Rest Cushion Attaching....	3
5	553396	SPRING, Guide Rod	2
6	553397	WASHER, Spring Retaining	2
7	1F-616	COTTER, Guide Rod	2
8	553398	ROD, Seat Guide	2
9	1F-312	COTTER, Clevis Pin	2
10	25E-15	WASHER, Support Plate to Frame	2
11	4E-08	LKWSHR, Support Plate to Frame	4
12	2C-814	BOLT, Support Plate to Frame	4
13	525429	PLATE, Seat Support	1
14	4F-08127	PIN, Guide Rod to Trip Plate	2
15	1C-824	BOLT, Bracket & Cover to Support	4
16	4E-08	LKWSHR, Bracket & Cover to Support	4
17	551367	COVER, Battery Inspection	2
18	551369	COVER, Battery Inspection	2
19	539221	COVER, Seat Support	1
20	517130	BRACKET, Seat—L.H.	1
21	551361	ANGLE, Seat	1
22	2D-08	NUT, Seat Angle to Frame	4
23	4E-08	LKWSHR, Seat Angle to Frame	4
24	2C-840	BOLT, Seat Angle to Frame	4
25	18D-07	NUT, Bracket to Trip Plate	2
26	517131	BRACKET, Seat — R.H.	1
27	657669	WASHER, Bracket to Trip Plate	2
28	8D-05	NUT, Seat Attaching	4
29	4E-05	LKWSHR, Seat Attaching	4
30	517134	PLATE, Seat Trip	1
31	2C-724	BOLT, Bracket to Trip Plate	2
32	641282	BUTTON, Support Plate Plug	1
33	1C-610	BOLT, Seat Cushion Attaching	2

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

BUCKET SEAT ASSEMBLY

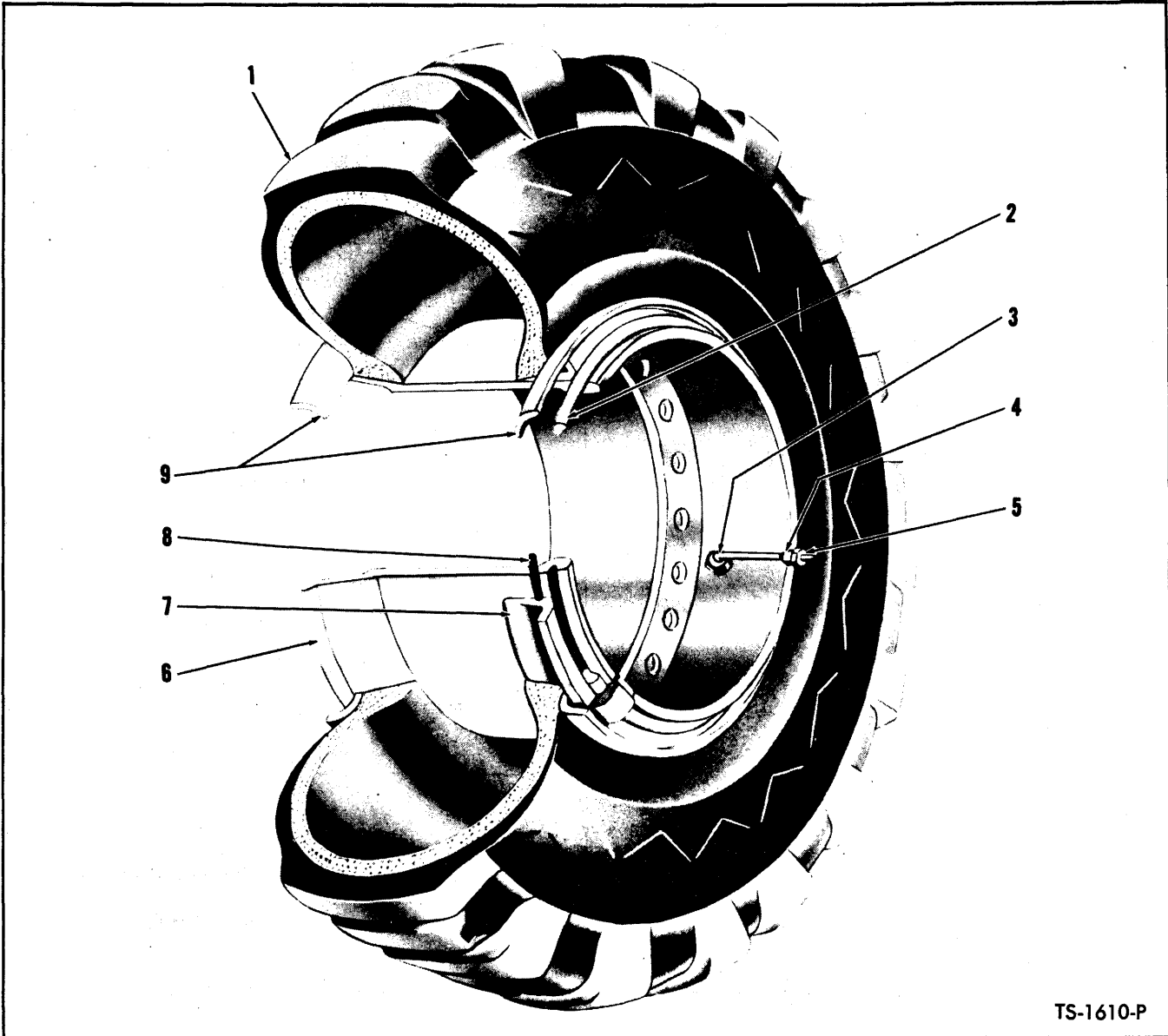
For Serial: CUMMINS - 2LC157 thru 2LC999

G.M. - 2LG101 thru 2LG999



Item No.	Part No.	Description	No. Req'd.
A	1572355	SEAT ASSY (Inc. 1, 2, 3, 8, 25)	1
1	944497	BUCKET, Seat	1
2	944498	CUSHION, Back Rest	1
3	944499	CUSHION, Seat	1
4	509684	HANGER, Seat	1
5	25E-19	WASHER, Hanger to Support	2
6	18D-07	NUT, Hanger to Support	2
7	509690	SUPPORT, Seat	1
8	18D-05	NUT, Seat to Hanger	4
9	2C-724	BOLT, Hanger to Support	2
10	509684	HANGER, Seat	1
11	551369	COVER, Battery Service	2
12	539310	COVER, Battery	1
13		PLATE, Seat Support	
13A	539308	For Cummins Powered Machines	1
13B	541842	For G.M. Powered Machines	1
14	539305	ANGLE, Seat Mounting	1
15	18D-08	NUT, Angle to Frame	4
16	2C-828	BOLT, Plate to Frame	4
17	2C-840	BOLT, Angle to Frame	4
18	4E-08	LKWSHR, Plate to Frame	4
19	25E-15	WASHER, Plate to Frame	3
20	551367	COVER, Battery Service	2
21	550301	SPRING, Seat Return	2
22	509690	SUPPORT, Seat	1
23	4E-08	LKWSHR, Support to Plate & Angle	4
24	1C-824	BOLT, Support to Plate & Angle	4
25	1C-610	BOLT, Cushions to Seat Bucket	5

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



TS-1610-P

**WHEEL AND TIRE DATA
23.5 x 25 - TUBELESS**

Item No.	Part No.	Description	No. Req'd.
1	-----	TIRE	4
2	580274	RING, Lock	4
3	509445	VALVE STEM ASSY (Inc. 4, 5)	4
4	551684	ADAPTER, Valve Stem	4
5	551685	CAP, Valve Stem	4
6	509440	*WHEEL	4
7	553956	BAND, Bead Seat	4
8	580278	"O" RING	4
9	551341	FLANGE	8
10	531112	†STEM, Water Filling (Inc. 11, 12, 13)	4
11	531111	†CAP, Water Filling Stem	4
12	529605	†NUT, Water Filling Stem Lock	4
13	529606	†GROMMET, Water Filling Stem	4

*NOTE: When 509440 wheel is installed in place of 553872, one 531112 Water Filling Stem must be used.
†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



CONSTRUCTION MACHINERY DIVISION



WIRING AND BATTERY CABLES — CUMMINS

Item No.	Part No.	Description	No. Req'd.
1	541169	HARNES, Main Wiring	1
2	541170	HARNES, Generator & Reg. Wiring....	1
3	541171	WIRE, Tail Lamp Jumper	1
4	541172	WIRE, Horn Relay to Battery	1
5	541173	WIRE, Light Switch to Head Lamp	1
6	3G-808	SCREW, Head Lamp Ground Wire.....	2
7	12D-8	NUT, Head Lamp Ground Wire	2
8	13E-8	LKWSHR, Head Lamp Ground Wire....	2
9	535369	WIRE, Fuel Gauge to Sender Unit.....	1
10	695120	WIRE, Steering Column to Horn Relay	1
11	550855	*WIRE, Horn Relay to Horn	1
11A	557438	*WIRE, Horn Relay to Horn	1

Item No.	Part No.	Description	No. Req'd.
12	527836	WIRE, Fuel Press. Switch to Solenoid	1
13	550846	CABLE, Battery Connector	3
14	550827	CABLE, Battery to Ground	1
15	531204	CABLE, Battery to Solenoid	1
16	550828	CABLE, Starter Ground	1
17	18C-628	BOLT, Starter Ground Cable	1
18	18D-06	NUT, Starter Ground Cable	1
19	4E-06	LKWSHR, Starter Ground Cable	1
20	550910	GROMMET, Rubber	1
21	550853	WIRE, Back-up Lamp Jumper	1
22	550745	WIRE, Back-up Lamp Ground	2

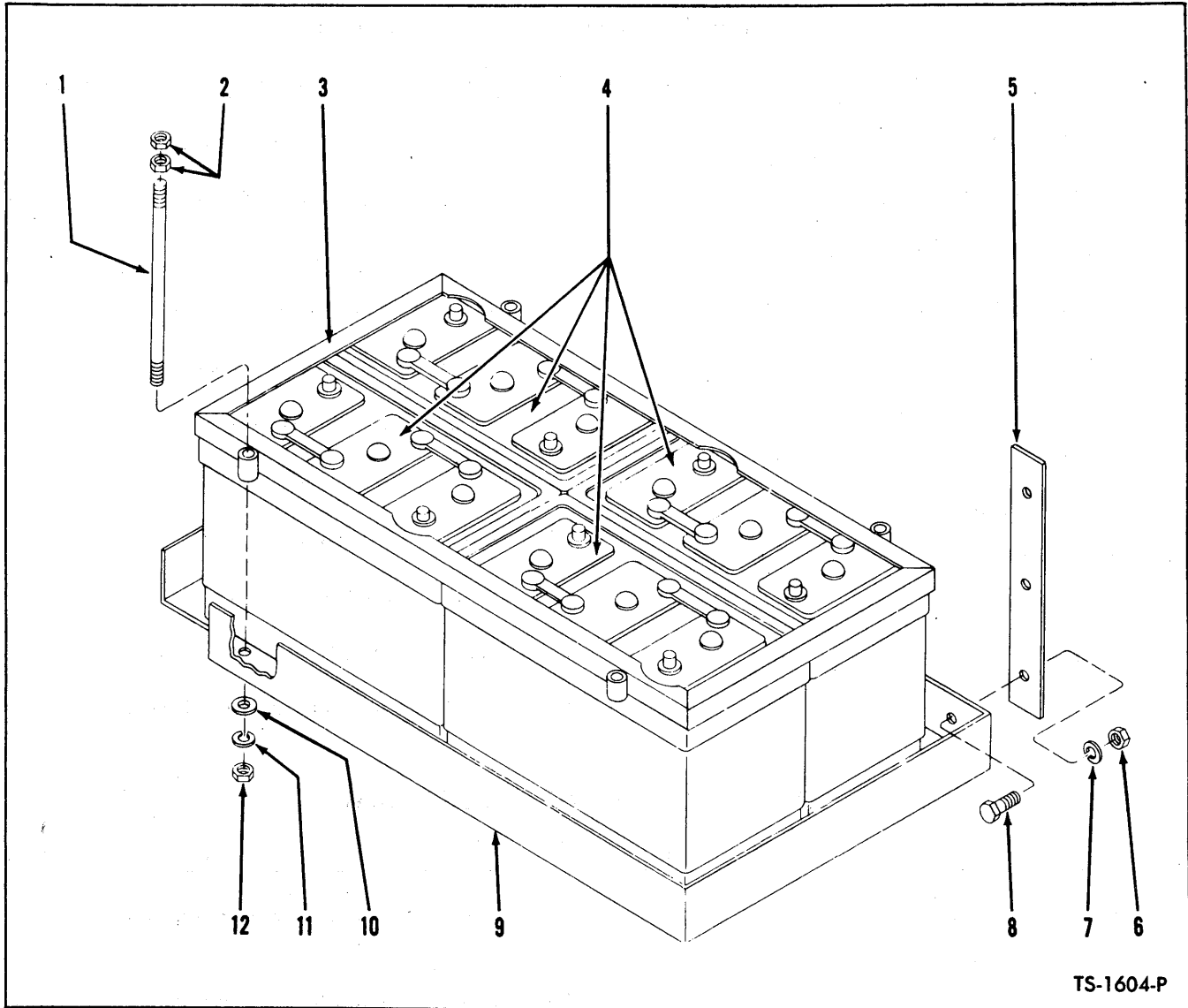
WIRING AND BATTERY CABLES — G.M.

Item No.	Part No.	Description	No. Req'd.
23	540887	HARNES, Main Wiring.....	1
24	541171	WIRE, Tail Light Jumper.....	1
25	541172	WIRE, Horn Relay to Battery.....	1
26	541173	WIRE, Light Switch to Headlight.....	1
27	535369	WIRE, Fuel Gauge to Tank.....	1
28	695120	WIRE, Steering Column to Horn Relay	1
29	550855	*WIRE, Horn Relay to Horn	1
29A	557438	*WIRE, Horn Relay to Horn.....	1
30	551879	WIRE, Voltage Regulator to Ground	1
31	526293	WIRE, Oil Pressure Switch to Solenoid	1
32	541859	WIRE, Generator to Regulator — Armature.....	1
33	541860	WIRE, Generator to Regulator — Field	1

Item No.	Part No.	Description	No. Req'd.
34	541861	WIRE, Generator to Regulator — Ground	1
35	550846	CABLE, Battery Connector	3
36	550827	CABLE, Battery Ground	1
37	540943	CABLE, Battery to Solenoid	1
38	550828	CABLE, Starter Ground	1
39	18C-620	BOLT, Starter Ground Cable	1
40	18D-06	NUT, Starter Ground Cable	1
41	550910	GROMMET, Rubber	1
42	3G-808	SCREW, Headlight Ground Wire	2
43	12D-8	NUT, Headlight Ground Wire	2
44	13E-8	LKWSHR, Headlight Ground Wire	2

*NOTE: 550855 is used with 647300 & 557438 is used with 733624 Horn. 733624 Horn has a permanent mounting bracket for identification.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



BATTERY AND BATTERY BOX

Item No.	Part No.	Description	No. Req'd.
1	600183	STUD, Hold Down Cover	4
2	1D-05	NUT, Hold Down Cover Stud	8
3	550367	COVER, Battery Hold Down	1
4	-----	BATTERY — EXIDE #XF-19	4
5	550364	STRAP, Battery Box Support	2
6	18D-06	NUT, Strap Attaching	6
7	OMIT	LKWSHR, Strap Attaching	—
8	18C-614	BOLT, Strap Attaching	6
9	550363	BOX, Battery	1
10	25E-15	WASHER, Hold Down Cover Stud	4
11	4E-05	LKWSHR, Hold Down Cover Stud	4
12	1D-05	NUT, Hold Down Cover	4

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



HORN AND MOUNTING PARTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. for Horn and Mounting Parts.

*NOTE: For replacement of 674300 Horn use 733624 Horn plus 1 - 557438 Horn to Relay Wire.

LIGHTS AND MOUNTING PARTS

Table with 4 columns: Item No., Part No., Description, No. Req'd. for Lights and Mounting Parts.

*NOTE: For replacement of 551291 Lamp use 1-945962 Lamp Kit. 945962 consists of 1-582057 Lamp, 3-12E-10 Lockwashers, 3-12D-10 Nuts & 1-002129 Template. The serviceable items of 582057 Lamp are 1-521244 Sealed Beam & 1-944977 Frame & Retainer. **NOTE: For replacement of 551282 Lamp use 1-945960 Lamp Kit. 945960 consists of 1-547416 Lamp, 3-12E-10 Lockwashers, 3-12D-10 Nuts & 1-002128 Template. The serviceable items of 547416 are 1-551245 Sealed Beam & 1-944976 Frame & Retainer.

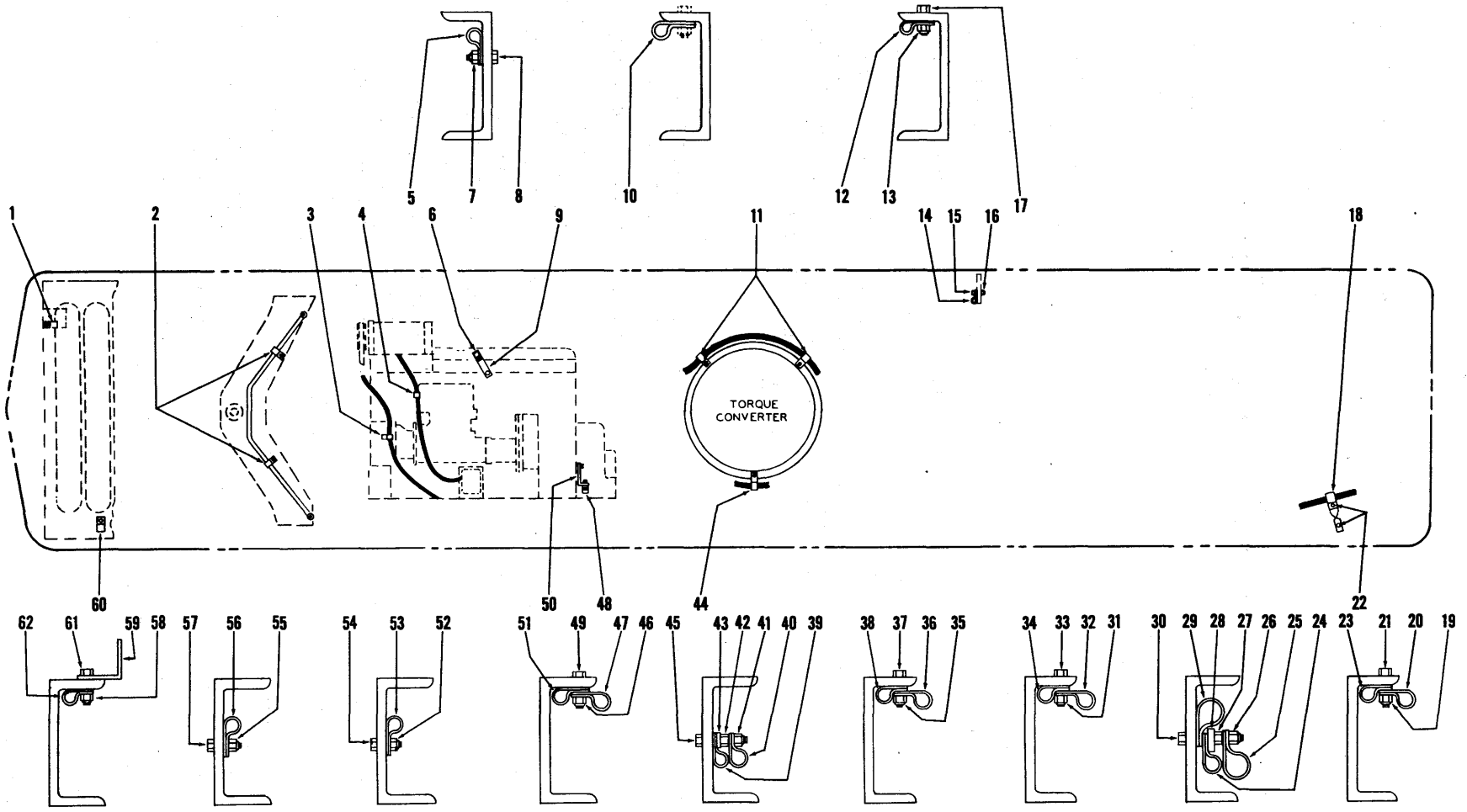
DECALS

Table with 4 columns: Item No., Part No., Description, No. Req'd. for Decals.

TOOLS

Table with 4 columns: Item No., Part No., Description, No. Req'd. for Tools.

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



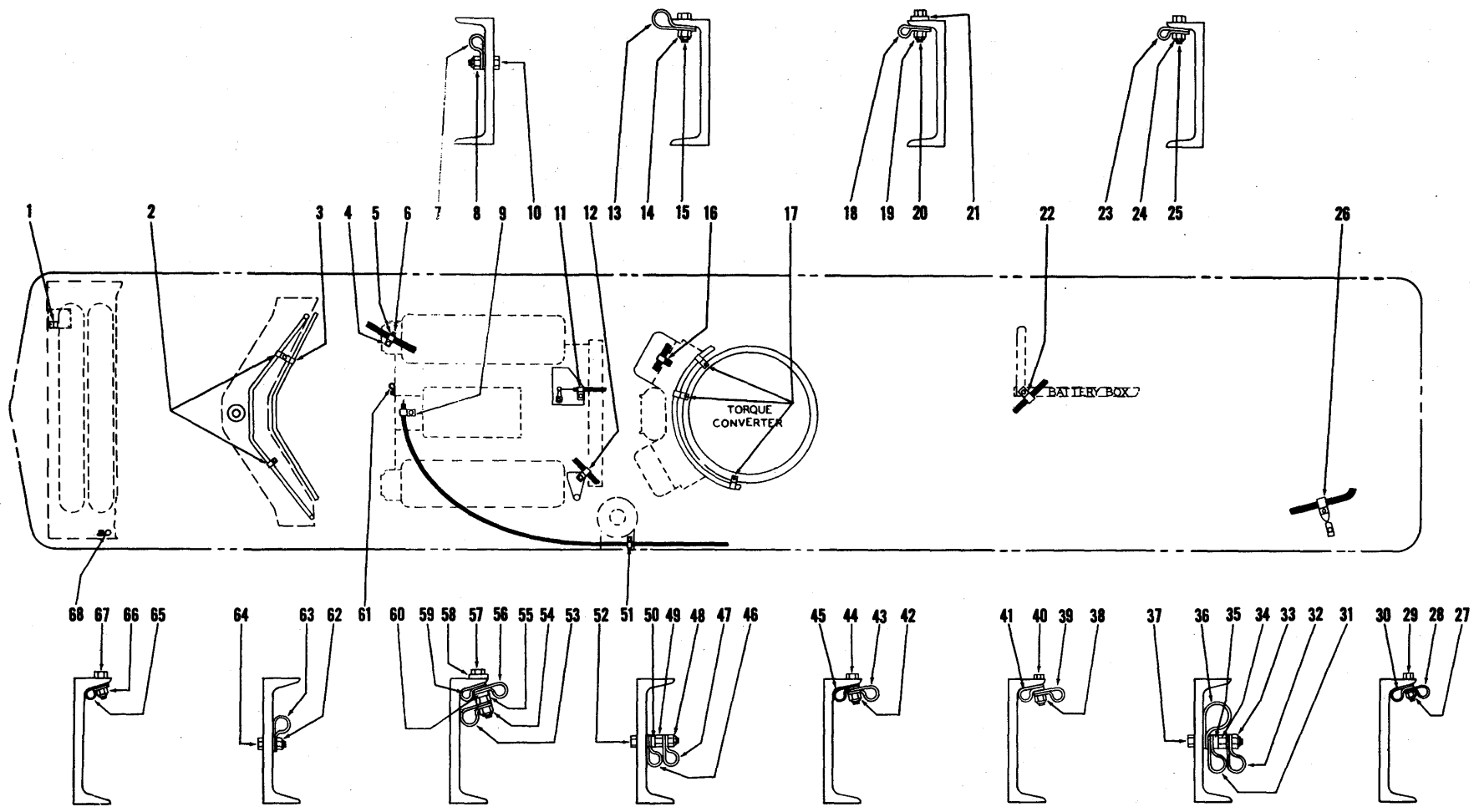
CLIP DIAGRAM — CUMMINS

TS-3657-P

CLIP DIAGRAM — CUMMINS

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	30H-12	CLIP, Tail Light Wire	1	29	6H-16	CLIP, Air Line	1
2	6H-10	CLIP, Rear Axle Air Line	2	30	18C-632	BOLT, Clips to Frame	1
2A	18C-624	BOLT, Rear Axle Air Line Clip	2	31	18D-06	NUT, Clip to Frame	1
2B	18D-06	NUT, Rear Axle Air Line Clip	2	32	30H-46	CLIP, Wiring Harness	1
3	6H-18	CLIP, By-Pass Filter Supply Hose	1	33	18C-624	BOLT, Clip to Frame	1
3A	17C-612	BOLT, Clip to Engine	1	34	6H-30	CLIP, Return Line	1
3B	4E-06	LKWSHR, Clip to Engine	1	35	18D-06	NUT, Clip to Frame	1
4	30H-23	CLIP, Generator Harness	1	36	30H-46	CLIP, Wiring Harness	1
4A	17C-508	BOLT, Clip to Engine	1	37	18C-624	BOLT, Clip to Frame	1
4B	4E-05	LKWSHR, Clip to Engine	1	38	6H-30	CLIP, Return Line	1
5	6H-18	CLIP, Torque Converter Cooler Line	1	39	6H-10	CLIP, Air Line	1
6	6H-20	CLIP, Compressor Intake Tube	1	40	6H-16	CLIP, Fuel Suction Line	1
6A	18C-616	BOLT, Clip to Engine Bracket	1	41	18D-06	NUT, Clips to Frame	1
6B	18D-06	NUT, Clip to Engine Bracket	1	42	8D-06	NUT, Clip to Frame	1
7	18D-06	NUT, Clip to Frame	1	43	545068	WASHER, Clip to Frame	1
8	18C-624	BOLT, Clip to Frame	1	44	6H-27	CLIP, Fuel Suction Line	1
9	534317	BRACKET, Engine to Clip	1	45	18C-632	BOLT, Clips to Frame	1
10	30H-36	CLIP, Battery Cable	1	46	18D-06	NUT, Clip to Frame	1
11	30H-24	CLIP, Wiring Harness	2	47	30H-46	CLIP, Wiring Harness	1
12	30H-36	CLIP, Battery Cable	1	48	31H-27	CLIP, Preheater Hose	1
13	18D-06	NUT, Clip to Frame	1	48A	18C-612	BOLT, Clip to Bracket	1
14	30H-36	CLIP, Battery Cable	1	48B	18D-06	NUT, Clip to Bracket	1
15	18C-624	BOLT, Clip to Frame	1	49	18C-624	BOLT, Clip to Frame	1
16	18D-06	NUT, Clip to Frame	1	50	527596	BRACKET, Mounting	1
17	18C-624	BOLT, Clip to Frame	1	51	6H-30	CLIP, Return Line	1
18	526426	CLIP, Wiring Harness to Front Shroud	1	52	18D-06	NUT, Clip to Frame	1
19	18D-06	NUT, Clip to Frame	1	53	6H-16	CLIP, Air Compressor Line	1
20	30H-46	CLIP, Wiring Harness	1	54	18C-624	BOLT, Clip to Frame	1
21	18C-624	BOLT, Clip to Frame	1	55	18D-06	NUT, Clip to Frame	1
22	18C-408	BOLT, Clip to Shroud	2	56	6H-18	CLIP, Torque Converter Cooler Line	1
22A	18D-04	NUT, Clip to Shroud	2	57	18C-624	BOLT, Clip to Frame	1
23	6H-30	CLIP, Return Line	1	58	18D-06	NUT, Clip to Frame	2
24	6H-10	CLIP, Air Line	1	59	————	VOLTAGE REGULATOR BRACKET	—
25	6H-16	CLIP, Fuel Suction Line	1	60	30H-20	CLIP, Back-Up Light Wire	1
26	18D-06	NUT, Clip to Frame	1	61	18C-624	BOLT, Clip to Frame	2
27	8D-06	NUT, Clip to Frame	1	62	30H-16	CLIP, Wiring Harness	1
28	545068	WASHER, Clip to Frame	1				

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



110

(1E8)

PM 1692

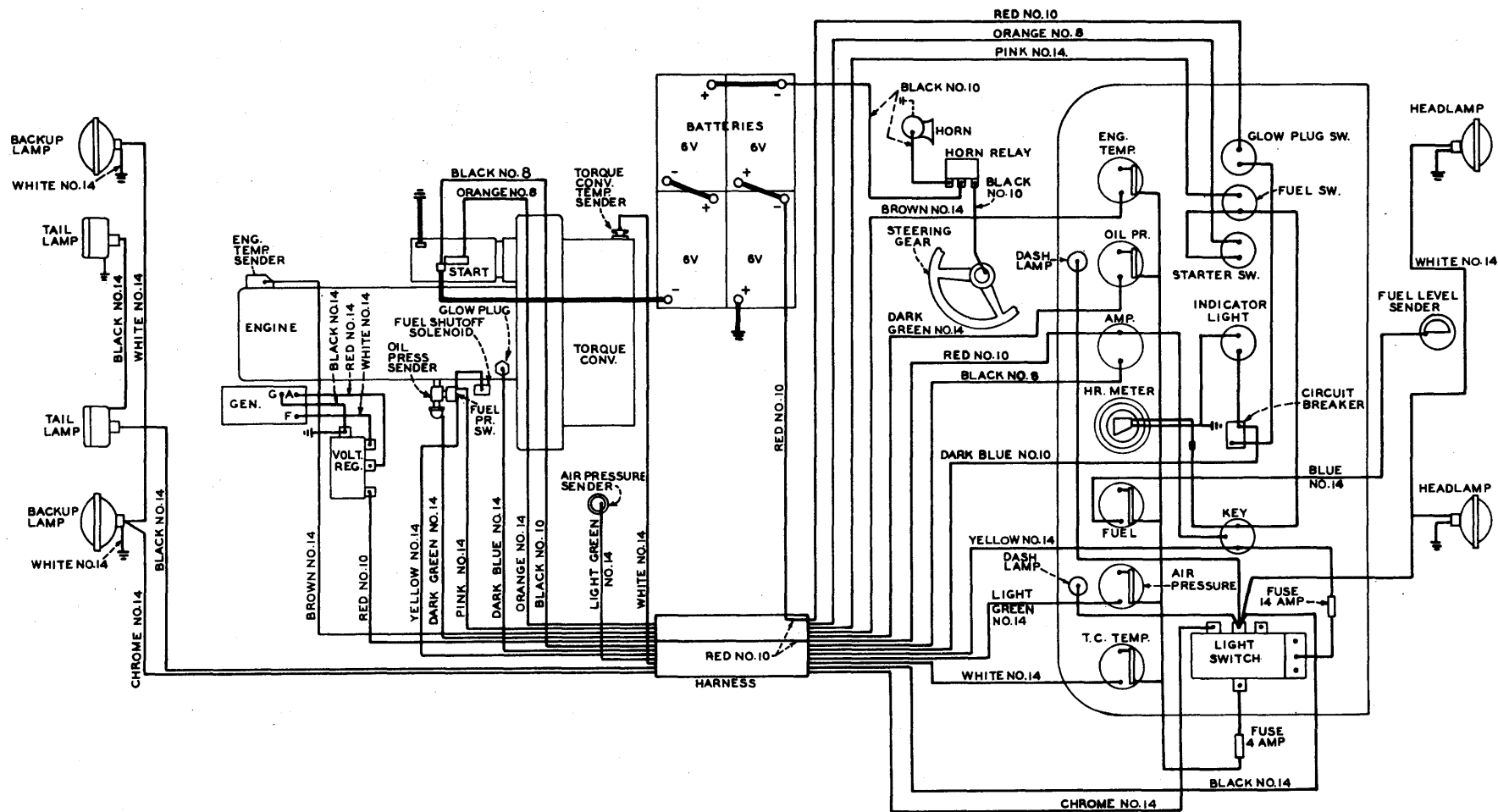
CLIP DIAGRAM — G.M.

TS-3656-P

CLIP DIAGRAM — G.M.

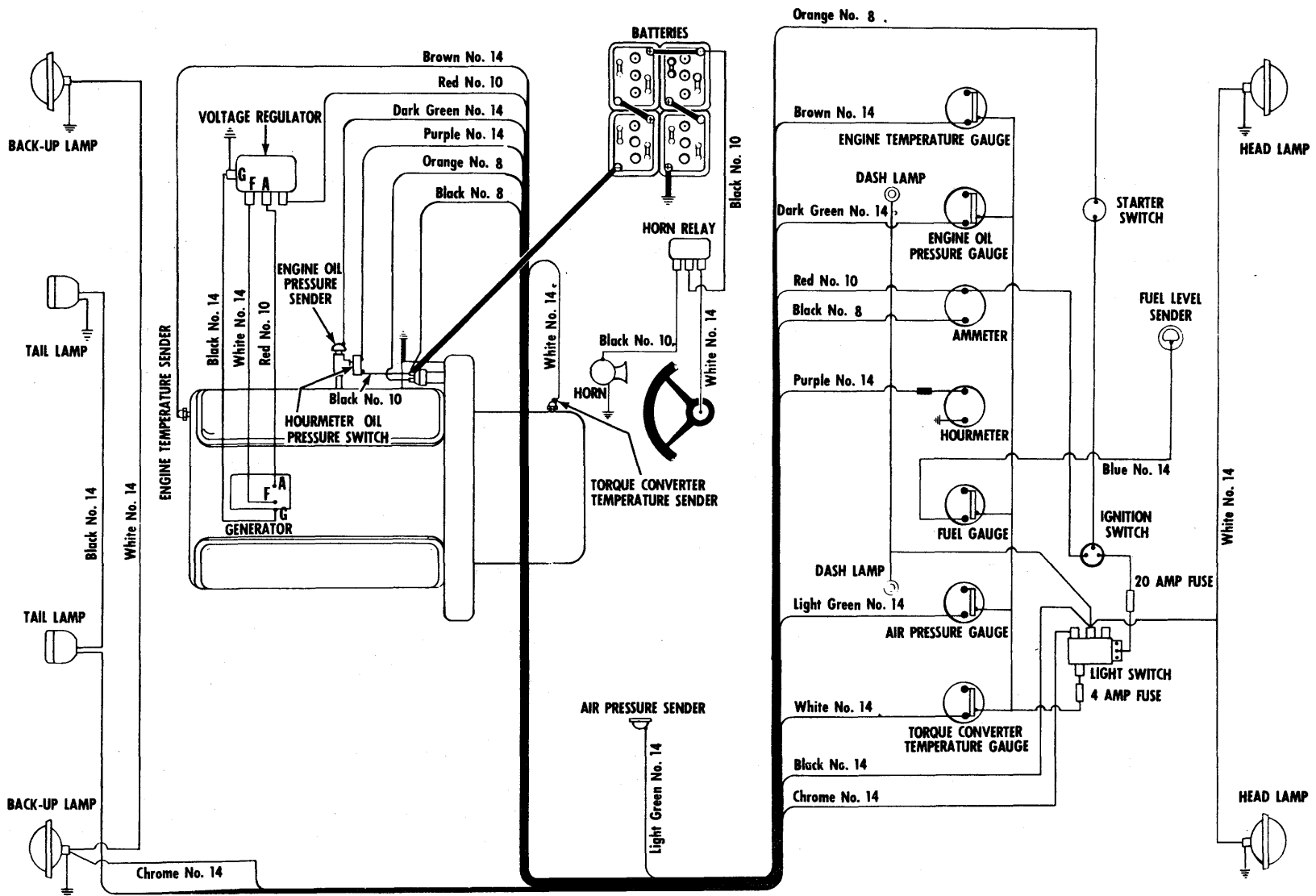
Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
1	30H-12	CLIP, Tail Light Wire	1	30	6H-10	CLIP, Return Line	1
2	6H-10	CLIP, Rear Axle Air Line	2	31	6H-10	CLIP, Air Line	1
2A	18C-624	BOLT, Rear Axle Air line	2	32	6H-10	CLIP, Fuel Line	1
2B	18D-06	NUT, Rear Axle Air Line	2	33	18D-06	NUT, Clips to Frame	1
3	6H-16	CLIP, Air Compressor Line	1	34	8D-06	NUT, Clip to Frame	1
4	541999	BRACKET, Engine to Clip	1	35	545068	WASHER, Clip to Frame	1
5	6H-20	CLIP, Air Line	1	36	6H-16	CLIP, Air Line	1
6	18C-612	BOLT, Clip to Bracket	1	37	18C-632	BOLT, Clips to Frame	1
6A	18D-06	NUT, Clip to Bracket	1	38	18D-06	NUT, Clip to Frame	1
7	6H-18	CLIP, Torque Converter Cooler Line	1	39	30H-46	CLIP, Main Wiring Harness	1
8	18D-06	NUT, Clip to Frame	1	40	18C-624	BOLT, Clip to Frame	1
9	6H-4	CLIP, Emergency Shut-Off to Engine	1	41	6H-10	CLIP, Return Line	1
9A	542000	BRACKET, Clip to Engine	1	42	18D-06	NUT, Clip to Frame	1
9B	18C-612	BOLT, Clip to Bracket	1	43	30H-46	CLIP, Main Wiring Harness	1
9C	18D-06	NUT, Clip to Bracket	1	44	18C-624	BOLT, Clip to Frame	1
10	18C-624	BOLT, Clip to Frame	1	45	6H-10	CLIP, Return Line	1
11	530887	CLIP, Engine Shut-Off	1	46	6H-10	CLIP, Air Line	1
11A	18C-408	BOLT, Clip to Engine	1	47	6H-10	CLIP, Suction	1
11B	18D-04	NUT, Clip to Engine	1	48	18D-06	NUT, Clips to Frame	1
12	30H-46	CLIP, Fuel Return	1	49	8D-06	NUT, Clips to Frame	1
13	522992	CLIP, Air Line	1	50	545068	WASHER, Clip to Frame	1
14	18D-06	NUT, Clip to Frame	1	51	6H-4	CLIP, Muffler to Emergency Shut-Off Cable	1
15	18C-624	BOLT, Clip to Frame	1	52	18C-632	BOLT, Clips to Frame	1
16	30H-12	CLIP, Generator Wire to Engine	1	53	30H-46	CLIP, Main Wiring Harness	1
17	30H-38	CLIP, Wiring Harness to Torque Conv.	3	54	18D-06	NUT, Clips to Frame	1
18	30H-35	CLIP, Battery Cable to Frame	1	55	8D-06	NUT, Clips to Frame	1
19	18D-06	NUT, Clip to Frame	1	56	6H-10	CLIP, Fuel Suction	1
20	18C-628	BOLT, Clip to Frame	1	57	18C-632	BOLT, Clips to Frame	1
21	545068	WASHER, Clip to Frame	1	58	545068	WASHER, Clips to Frame	1
22	30H-35	CLIP, Battery Cable to Battery Box	1	59	6H-10	CLIP, Return Line	1
23	30H-35	CLIP, Battery Cable to Frame	1	60	545068	WASHER, Clips to Frame	1
24	18D-06	NUT, Clip to Frame	1	61	30H-20	CLIP, Engine Temp. Wire to Engine	1
25	18C-624	BOLT, Clip to Frame	1	62	18D-06	NUT, Clip to Frame	1
26	526426	CLIP, Wiring Harness to Front Shroud	1	63	6H-18	CLIP, Torque Converter Cooler Line	1
26A	18C-408	BOLT, Clip to Front Shroud	2	64	18C-624	BOLT, Clip to Frame	1
26B	18D-04	NUT, Clip to Front Shroud	2	65	30H-16	CLIP, Main Wiring Harness	1
27	18D-06	NUT, Clip to Frame	1	66	18D-06	NUT, Clip to Frame	1
28	30H-46	CLIP, Main Wiring Harness	1	67	18C-624	BOLT, Clip to Frame	1
29	18C-624	BOLT, Clip to Frame	1	68	30H-20	CLIP, Back-Up Light Wire	1

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE



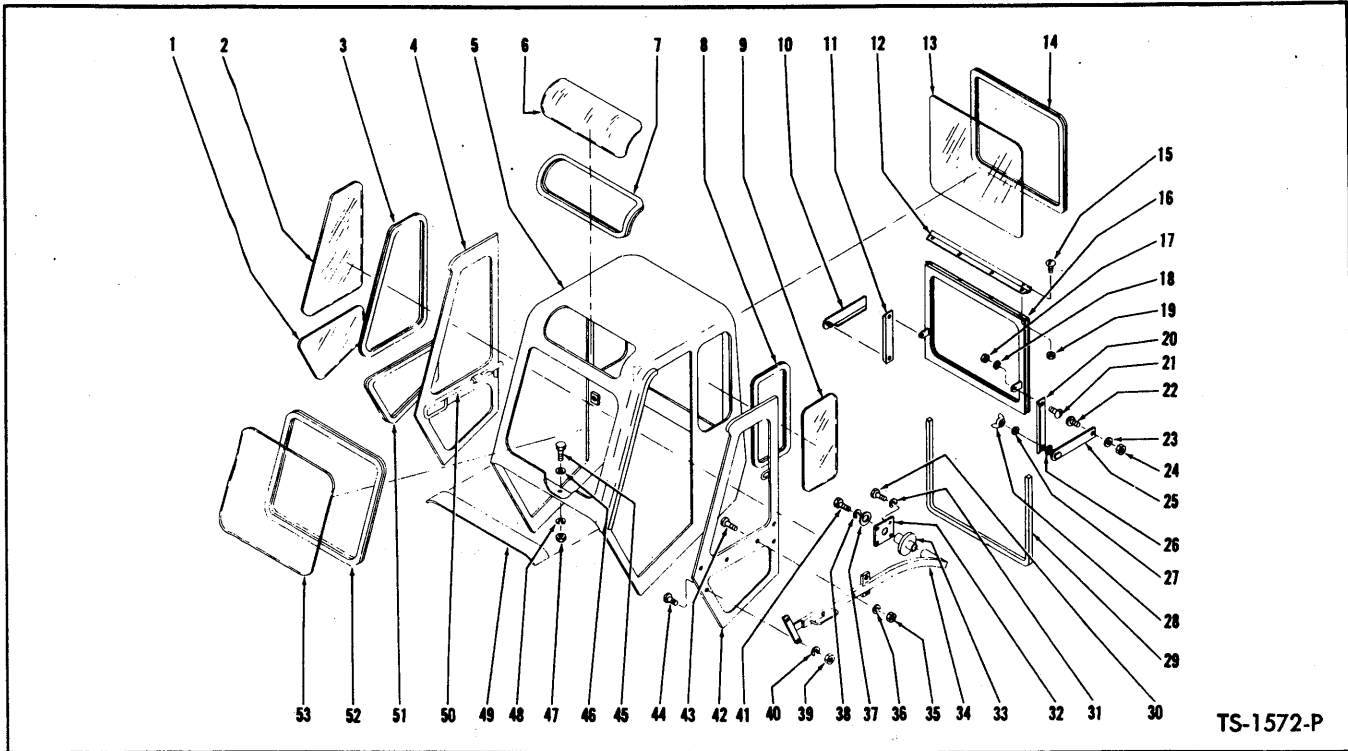
WIRING DIAGRAM - CUMMINS

TS-3652-P



WIRING DIAGRAM — G.M.

TS-3052-P



TS-1572-P

CAB ASSEMBLY

Item No.	Part No.	Description	No. Req'd.	Item No.	Part No.	Description	No. Req'd.
A	527957	CAB ASSY (Inc. 1 thru 53)	1	32	138013	PLATE, Door Mounting	1
1	-----	GLASS, Lower Door (See 56)	2	33	943619	CAM, Door	1
2	-----	GLASS, Upper Door (See 56)	2	34	138797	ARM, Door Hinge — L.H.	1
3	940413	MOULDING, Upper Door Glass	2	35	1D-04	NUT, Arm to Door	4
4	138794	PANEL, R.H. Door	1	36	4E-04	LKWSHR, Arm to Door	4
5	138750	CAB (Less Doors & Glass)	1	37	138494	WASHER, Door Cam Thrust	1
6	940350	GLASS, Curved Roof	1	38	4E-05	LKWSHR, Thrust Washer	1
7	940477	MOULDING, Curved Roof Glass	1	39	1D-04	NUT, Arm to Door	2
8	940415	MOULDING, Quarter Panel Glass	2	40	4E-04	LKWSHR, Arm to Door	2
9	-----	GLASS, Quarter Panel (See 56)	2	41	1C-518	BOLT, Thrust Washer	1
10	138812	ARM, Lower Control — R.H.	1	42	138793	PANEL, L.H. Door	1
11	138816	ARM, Upper Control — R.H.	1	43	4G-420	SCREW, Arm to Door — Long	2
12	138805	RAINSHIELD, Rear Window	1	44	4G-412	SCREW, Arm to Door — Short	4
13	-----	GLASS, Rear Window (See 56)	1	45	2C-620	BOLT, Cab to Shroud	4
14	138785	MOULDING, Rear Window Glass	1	46	25E-17	WASHER, Cab to Shroud	4
15	3G-1008	SCREW, Rear Window Mounting	5	47	2D-06	NUT, Cab to Shroud	4
16	138806	FRAME, Rear Window	1	48	4E-06	LKWSHR, Cab to Shroud	4
17	17D-1	NUT, Arm to Window	2	49	138521	WEATHERSTRIP, Cowl	1
18	25E-13	WASHER, Arm to Window	4	50	139429	LOCK, R.H. Door	1
19	138237	NUT, Rear Window Mounting	5	50A	2C-616	†BOLT, Lock to Door	1
20	138815	ARM, Upper Control — L.H.	1	50B	45D-06	†NUT, Lock to Door	1
21	4G-412	SCREW, Arm to Window	2	50C	103293	†WASHER, Lock to Door	1
22	4G-412	SCREW, Arm to Cab	2	51	138790	MOULDING, Lower Door Glass	2
23	25E-13	WASHER, Arm to Cab	4	52	138572	MOULDING, Windshield Glass	1
24	17D-1	NUT, Arm to Cab	2	53	-----	GLASS, Windshield (See 56)	1
25	138811	ARM, Lower Control — L.H.	1	54	138792	†DOOR ASSY, R.H. (Inc. 1, 2, 3, 50, 51)	1
26	8E-05	LKWSHR, Arm to Arm	2	55	138791	†DOOR ASSY, L.H. (Inc. 1, 2, 3, 51)	1
27	25E-15	WASHER, Arm to Arm	2	56	944205	†GLASS PATTERN KIT (Inc. 1, 2, 9, 13, 53)	1
28	16D-05	WING NUT, Arm to Arm	2	57	139411	†WEATHERSTRIP, Door Opening—26"	2
29	138810	WEATHERSTRIP, Rear Window	1	58	139412	†WEATHERSTRIP, Door Opening—41"	2
30	1C-518	BOLT, Mounting Plate	4	59	139413	†WEATHERSTRIP, Door Opening—45"	2
31	4E-05	LKWSHR, Mounting Plate	4				

†Not Illustrated

WHEN ORDERING PARTS, ALWAYS STATE MODEL AND SERIAL NO. OF MACHINE

NUMERICAL INDEX

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
100613	68	106234	49	107482	51	111349	65
100941	51, 63, 65	106244	63	107483	51, 65	111352	65
100949	39	106246	59	107484	53	111353	51, 65
100970	49, 59, 61	106266	66	107493	59	111362	51
101196	51, 63, 65	106267	66	107706	69, 70	111439	57
101201	65	106276	59	107707	69	111485	63
101203	65	106283	59	107709	69	111486	63
101205	65	106284	59	107735	61	111489	51
101206	51	106285	59	107736	61	111634	61
101210	51, 63, 65	106286	59	107739	61	111656	59
101211	65	106291	59, 61	107758	59	111658	51, 63, 65
101213	51, 65	106296	59	107882	57	111708	49, 59
101214	65	106297	59	108415	59	111710	49
101217	65	106298	59	108416	59	111721	51, 65
101218	51, 65	106313	59	108576	59	111728	61
101219	51, 65	106316	59, 61	108658	61	111805	59, 61
101220	51, 65	106317	59, 61	108663	61	112049	61
101222	29, 31, 65	106318	59, 61	108665	61	112050	61
101223	51, 65	106355	67	108815	65	112158	59
101224	51, 65	106356	67	109076	59	112175	66
101226	51, 63, 65	106357	67	109093	59	112176	61
101227	51, 63, 65	106358	67	109263	57	112207	70
101241	63	106359	67	109340	59	112210	70
101243	63	106457	49	109597	69, 70	112211	70
101245	63	106545	59	109598	69	112212	70
101246	63	106547	51, 61, 65	109599	69	112213	70
101250	63	106656	49, 59, 61	109886	59	112215	61
101252	63	106681	57	109887	59	112216	70
101253	63	106685	57	109931	61	112278	49, 61
101254	63	106687	57	109947	49	112287	67
101256	63	106689	57	110122	68	112294	51, 61, 65
101257	63	106690	57	110124	69	112295	51, 61, 65
101258	63	106710	49	110203	61	112341	66
101259	63	106736	49	110344	52	112344	66
101261	63	106737	49	110523	51, 65	112407	70
101262	63	106741	49	110553	49, 61	112408	70
101263	63	106762	49, 59, 61, 67	110559	49, 61	112411	70
101274	49, 59	106882	49, 59	110560	49, 61	112662	61
101961	68	106883	49, 59	110622	49, 59, 61	113016	67
102189	57	106986	52	110623	49, 59	113291	61
102237	59	106998	49	110624	49, 59, 61	113292	49, 61
102259	68	107002	49	110689	59	114192	57
102898	68	107003	57	110690	59	114193	57
103076	49, 61	107004	49	110693	59	114433	49, 59
103218	68	107005	57	110814	61	116446	68
103219	68	107006	57	110855	69, 70	116982	51
103293	2, 7, 9, 83, 85, 87, 93, 114	107007	57	110890	61	118660	51
103376	7	107010	57, 61	110897	61, 63	118786	49
103445	49, 59, 61	107089	59	110898	61	119366	61
103522	49, 59, 61	107201	68	110899	61	119852	49
103990	68	107245	68	110905	61	121062	59
104067	57	107246	68	110906	61	125148	49
104167	63	107247	61	110942	61	125248	61
104168	51, 63, 65	107252	49, 59	110949	69	130192	49
104169	63	107256	49, 59, 61	110950	69	130565	59
104182	63	107406	59	110953	61	130733	49
104203	57	107466	59	110954	61	130788	49
104204	57	107467	59	110955	61	130996	61
104214	57	107468	59	110958	61	131197	59, 61
104412	59, 61	107469	59	110959	61	138013	114
104471	53	107470	68	110960	61	138237	114
104645	54	107471	68	110962	61	138494	114
104942	33	107473	68	110964	61	138521	114
106206	65	107474	68	110965	61	138572	114
106209	65	107475	68	111049	69	138750	114
106221	49	107477	51	111052	69	138785	114
106232	49, 61	107480	53	111344	63	138790	114
106233	49, 59	107481	53	111347	63	138791	114
				111348	63	138792	114

Part No.	Page No.
138793	114
138794	114
138797	114
138805	114
138806	114
138810	114
138811	114
138812	114
138815	114
138816	114
139411	114
139412	114
139413	114
139429	114
200133	31
200235	31
201120	31, 39
201262	30, 31
201413	31
210566	31
201844	31
201929	31
203647	33
205928	29, 39
207023	7, 9
207024	31
207647	39
208784	39
208788	39
208805	33
208809	33
208810	33
208812	33
208815	33
208871	31
209353	30, 31
209380	33
209382	33
209387	39
209405	31
209406	31
209542	39
209555	39
209560	39
209562	39
209566	39
209567	39
209582	39
209584	39
209587	39
209588	39
209589	39
209590	39
209591	39
209594	39
209598	29
209599	29, 30
209607	30
209612	30
209613	29, 30
209614	29, 30
209615	29, 30
209616	29, 30
209618	29
209619	29
209620	29
209621	29
209622	29
209623	29, 31
209626	29
209627	29, 30
209628	29
209629	29

Part No.	Page No.
209630	30
209631	30
209632	30
209633	30
209635	30
209636	30
209638	31
209641	31
209647	31
209654	31
209655	31
209656	31
209657	31
209658	31
209659	31
209661	31
209662	33
209663	33
209669	29, 30
209672	29, 30
209673	29, 30
209676	29, 30
209677	29, 30
209678	29, 30
209690	33
209704	31
209705	31
209706	31
209707	31
209708	31
209726	31
209788	39
209789	39
209791	39
209868	39
209874	33
209878	33
209889	39
209891	39
209929	29, 30
214596	39, 61
215502	45, 47, 83, 85, 87
215644	31
216555	39
216680	39
216681	39
218702	39
220159	39
220162	29, 30
220163	29, 30
220164	29
220165	30
220166	31
220167	31
220168	31
220171	31
220172	31
220173	31
220175	31
220176	31
220177	31
220178	29, 30
220179	29, 30
220185	29, 30
220186	29, 30
220222	39
220353	39
220363	33
220669	30
220671	29
220673	30
220965	53
220968	53

Part No.	Page No.
220969	53
220973	39
220978	43
220979	39
220981	43
220982	43
220983	43
220984	39
220985	39
220986	39
220987	39
220988	40, 78
220989	39
220990	39
221023	39
221207	29, 30
221400	29, 30
221512	29, 30
221513	29, 30
221991	42, 79
222312	39
222318	39
222407	29, 30
222408	29, 30
223197	39
223199	39
223359	39
223663	39
223780	30
223854	39
223856	31
223862	39
223885	31
223922	39
223944	33
223953	39
223954	39
223955	39
223956	39
223957	29, 30
223965	39
224023	49, 61
224032	57, 61
224052	39
224065	30
224075	31
224104	29, 30
224105	29, 30
224119	39
224207	39
224797	39
226595	39
227105	39
227873	33
227874	33
227968	33
280070	29
281775	39
351131	23
351495	14
352619	93
356614	12
356615	25, 72, 73, 83, 85
356616	10, 11, 72, 73
356618	12
356622	93
356624	93
356626	45, 47
450011	41
450063	40, 41, 42, 78, 79
450155	90, 91
498026	41, 42, 79
498043	91
498113	41, 42, 79

Part No.	Page No.
498115	91
498127	42, 79
498128	42, 79
498132	91
498133	91
498151	41
498152	41
507815	72, 73
509265	16
509267	16, 17
509440	104
509445	104
509684	103
509690	103
509711	71, 85, 87
509719	93
509763	18
509772	35, 97
509898	94
509953	85
509989	93
510452	10, 11
511512	16, 17
512288	3
512614	56
512743	7, 9
512789	80, 96, 96A
512797	80, 96, 96A, 96B
512819	37
513122	74, 75
513311	54
513525	93
513841	93
513842	72, 73
513864	18
513873	56
513906	72, 73
513912	72, 73
513915	72, 73
513916	72, 73
513945	54
513946	54
513948	54
514341	72, 73
514512	14, 15
514514	14
514744	94, 95
514745	94, 95
514747	94, 95
515897	14
515898	14
516060	1
516175	21
516178	21
516316	24, 72, 73
516955	31
517089	83, 85, 87
517130	102
517131	102
517134	102
517228	100, 101
517298	80, 96
517355	80
517581	96
518233	7, 9, 14, 15
518259	56
518261	56
518286	1
518287	1
518346	77
518697	35
519275	24, 83, 85, 87, 88
519324	107

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
519793	36	525022	97	531111	104	540779	71, 87
520361	24	525025	97	531112	104	540781	18
520399	96, 96A, 96B	525028	97	531204	105	540782	18
520400	96, 96A, 96B	525117	14	531584	95, 95A, 95B	540784	18
520402	80, 96, 96A	525127	99	531606	80, 96, 96A	540789	47
520403	80, 96, 96A	525151	26	531612	94, 95	540796	73
520405	80, 96, 96A	525222	5	531632	96	540797	18
520520	3, 3A	525232	26	531905	23	540799	18
520530	3, 3A, 3B	525233	26	532034	3, 3A, 3B	540873	11, 73
520531	3, 3A, 3B	525234	26	532035	3, 3A, 3B	540887	105
520533	3, 3A, 3B	525271	36	532060	1	540888	18
520556	3	525293	30, 31, 71	532563	94, 95, 95A, 95B	540899	25
520694	88	525374	100, 101	532603	18	540936	23
521016	16, 17	525429	102	532675	19	540938	23
521244	107	525441	56	532686	18	540940	23
521356	3	525450	1	532687	17, 19	540943	105
521357	3	525464	100, 101	532917	80, 96, 96A, 96B	541169	105
521605	3, 3A	525501	100, 101	533119	3, 3A, 3B	541170	105
521686	18	525502	100, 101	533120	3, 3A, 3B	541171	105
521833	74, 75	525535	16, 17	533397	73	541172	105
521836	81	525536	16, 17	533463	47	541173	105
521837	77	525578	100, 101	533487	23	541221	2
521875	71, 85	525589	100, 101	533645	80	541661	47
521901	81	525591	101	534265	80	541724	25
521926	83	525661	7, 9	534317	109	541749	94, 95
521997	88	525670	35	534860	5	541759	3, 3A, 3B
522079	24, 25	525673	35	535003	23	541835	25
522247	72, 73	525805	3, 3A, 3B	535099	17	541836	25
522273	96	525996	93	535101	71	541842	103
522276	96, 96A, 96B	525997	93	535369	105	541844	87
522277	96	526009	93	535927	3, 3A	541859	105
522309	5	526027	93	536258	5	541860	105
522312	5	526050	3, 3A	536493	71, 85, 87	541861	105
522347	5	526051	3, 3A	536539	88, 89, 89A	541866	2
522555	14	526071	72, 73	537511	59, 81	541869	18
522568	21	526293	105	538068	96A, 96B	541870	18
522572	24	526426	109, 111	538207	45	541871	18
522573	24	526451	80, 96, 96A, 96B	538208	45	541872	18
522574	24	526767	35, 54, 97	538223	5	541875	23
522575	24	526847	45, 47	538256	107	541876	23
522576	24	527076	12	538258	107	541877	15
522617	94, 95, 95A, 95B	527077	93	538262	3	541880	66
522648	2	527181	90	538946	11	541902	13
522846	11	527191	93	538981	5	541908	107
522911	9	527496	95	539042	16, 17	541978	15
522912	9	527497	95	539078	5	541990	18
522992	111	527596	109	539221	102	541999	18, 111
523257	107	527768	36	539305	103	542000	23, 111
523372	100, 101	527812	94, 95, 95A, 95B	539308	103	542074	107
523461	66	527836	105	539310	103	542086	2
524235	45	527923	55	539631	107	542333	16, 20A
524236	45, 47	527924	55	539796	77	543921	107
524243	36	527928	55	539837	7, 9, 26	544359	80
524495	72	527954	85	539906	18	545068	109, 111
524497	72, 73	527957	114	540103	16, 17, 18, 87	545941	74, 75
524526	12	528238	56	540104	14, 93	546042	87
524530	83, 85, 87	528247	75	540108	15	547416	107
524543	45, 47	528248	75	540266	15	547851	107
524544	45, 47	528291	1	540306	10, 11	547852	107
524561	72, 73	528292	1	540518	31	548388	107
524626	72, 73	528422	9	540676	15	548472	107
524637	83, 85, 87	528438	9	540677	15	548473	107
524698	7, 9	529013	7, 9	540678	15	548474	107
524756	7, 9	529605	104	540679	2	548475	107
524757	7, 9	529606	104	540680	37	548520	107
524758	7, 9	529680	5	540693	5	548521	107
524759	7, 9	529979	16, 17, 18	540699	20	548522	107
524760	7, 9	529980	3	540709	9	548530	107
524900	3, 3A, 3B, 5	530887	111	540735	5	548590	107
524959	24	530913	5, 59	540736	5	548657	94, 95
524960	24	531029	5	540770	93	550044	74, 75
524961	24	531080	89	540772	47	550152	7, 9
524982	5	531081	94	540775	9	550156	1



CONSTRUCTION MACHINERY DIVISION



Part No.	Page No.
550261	94, 95
550299	54
550301	103
550363	106
550364	106
550367	106
550389	71
550398	71
550436	94, 95
550442	95
550450	94, 95, 95A, 95B
550451	94, 95
550601	74, 75
550602	74
550616	23
550619	21, 23
550646	35, 97
550663	36
550667	36
550669	36
550672	36
550677	35
550685	35
550724	45, 47
550735	100, 101
550741	100, 101
550742	100, 101
550743	100, 101
550745	105
550803	36
550807	87
550827	105
550828	105
550846	105
550853	105
550855	105
550876	45, 47
550877	13
550910	105, 107
551014	21, 23
551015	21, 23
551016	21, 23
551108	5
551244	107
551245	107
551251	100, 101
551254	100, 101
551275	35
551277	35
551278	35
551282	107
551291	107
551292	7, 9
551293	107
551300	45, 47
551301	45, 47
551311	12
551314	107
551315	107
551320	100, 101
551321	100, 101
551322	101
551323	1, 2, 45, 47
551341	104
551361	102
551367	102, 103
551369	102, 103
551384	26
551410	35, 55
551412	36
551413	35
551434	7, 9

Part No.	Page No.
551444	97
551499	100, 101
551539	7
551606	94, 95
551616	14, 15
551684	104
551685	104
551688	54
551742	55A
551879	105
551906	39, 40, 41, 42, 78, 79
552146	5
552147	5
552156	83
552161	90, 91
552164	107
552170	107
552336	7, 9
552766	96, 96A, 96B
552767	80, 96, 96A
552942	100, 101
552980	94, 95
553206	93
553396	102
553397	102
553398	102
553415	90
553525	97
553542	97
553581	37
553620	100, 101
553872	104
553956	104
556952	100, 101
556953	100, 101
557438	105
557995	95A
560339	3, 3A, 3B
560364	3, 3A, 3B
560747	5
566491	3, 3A, 3B
567438	107
569993	95A
573548	100, 101
574275	100, 101
574276	100, 101
580104	3, 3A, 3B
580107	94
580108	94
580118	5
580120	5
580121	5
580122	5
580123	3, 3A, 3B
580124	95
580126	95, 95A, 95B
580152	7, 9
580157	7, 9
580158	7, 9
580159	7, 9
580162	7
580163	97
580168	93
580201	3
580274	104
580278	104
582057	107
582491	93
588153	31
588823	5
591123	18
592310	16, 17
592867	16, 17

Part No.	Page No.
593370	72, 73
593650	10
595018	3, 3A, 3B
600183	106
600259	100, 101
601212	100, 101
602297	101
602350	100, 101
602355	100
603985	55A
604617	93
604639	71
613337	45
614136	100
614142	100
616796	35, 97
616800	5
616836	68, 99
616846	5
617863	74
619018	114
619019	55A, 102, 103, 106, 114
619021	5, 39
619023	39
619024	26, 55A, 56
619025	103
619027	7, 9, 33, 70, 71, 93
619049	2
621279	107
622026	77
622027	77
622028	77
623762	21, 23
623802	45
623803	47
623829	21, 23
626530	100, 101
627013	2
627014	2
627982	26
629162	13, 45
635209	93
635218	93
636260	1, 2
641282	102
647300	105, 107
647310	107
648304	77
652483	9
652753	100
654144	63
654299	39
655629	107
655630	14, 15
657169	83, 85, 87
657669	102
658913	93
658981	39
658982	30
658988	63
658997	30
658998	29, 30, 31
659648	57
659764	57
660178	43
660516	61
661416	66
661443	93
661555	100, 101
661556	100, 101
661558	83, 85, 87

Part No.	Page No.
661560	83, 85, 87
661564	83, 85, 87
662691	81
662738	61
663093	93
663094	93
663095	93
663792	89, 89A
664423	114
666846	71, 85, 87
666858	85, 87
667275	63
667276	63
667277	59, 63
667278	63
667289	16
667466	63
668553	49, 59
669855	12
669952	83, 85, 87
672004	49, 59
672005	49, 59
672082	93
672751	93
672758	12
672806	83, 85, 87
674300	107
675229	31
675230	29, 30
675252	51, 65
675254	51, 65
675258	59
675259	51, 65
675260	51, 65
675261	49, 59
675262	51, 65
675263	51, 65
675265	51, 65
675543	39
675682	100
691800	93
695120	105
695930	77
696073	101
710788	30
710789	30
711053	83, 85, 87
711186	45, 47
711264	107
712766	83, 85, 87
713418	80
713998	31
730143	77
731253	29, 30, 31
733624	105, 107
742262	49, 61
742263	49, 61
743314	39
743823	87
774024	49, 61
774025	49, 61
784295	61
784296	61
784700	100, 101
799584	89
800660	33
800667	31
801055	39
801067	39, 43
801296	39
815172	63
815200	51, 65
815201	63

Part No.	Page No.	Part No.	Page No.	Part No.	Page No.	Part No.	Page No.
815326	65	886287	20	941463	99	944654	19
815327	51	891588	20A	941464	99	944655	19
815395	63	891811	20A	941465	99	944686	61
815396	51, 65	891812	20A	941466	99	944687	61
815511	65	891813	20A	941474	16	944718	61
815521	51, 65	891814	20A	941523	2	944719	37
815564	61	891815	20A	941568	80, 96, 96A, 96B	944784	20
815565	49	899038	89, 89A	941573	37	944785	20
815574	61	899039	89A	941641	90	944808	20
815654	57	940025	88	941790	52	944809	20
815659	57	940028	88	941791	52	944810	20
815754	49	940029	88	941792	52	944862	37
850311	2	940031	88	941793	52	944976	107
850756	77	940032	88	941794	52	944977	107
851756	77	940033	88	941795	52	945051	53
851762	77	940089	37	941796	52	945055	100, 101
851770	77	940090	37	941797	52	945112	80, 96, 96A, 96B
853182	77	940091	37	941813	72, 73	945115	94, 95, 95A, 95B
853187	77	940092	37	942403	40, 78	945125	67
853189	39	940093	37	942405	53	945126	67
853357	77	940097	99	942429	90	945375	89
853368	77	940098	99	942433	40, 78	945439	2
853380	77	940099	99	942646	10, 11	945611	68
853384	77	940102	99	943156	37	945960	107
853391	77	940111	77	943198	99	945962	107
853395	77	940115	77	943248	37	945996	56
853408	77	940125	77	943420	61	946052	2
853412	77	940160	99	943429	77	946091	55A
853464	77	940165	99	943484	88	946163	55A
856071	61	940166	99	943485	88	946254	14
857729	77	940167	99	943619	114	946282	100, 101
858028	2	940226	37	943667	77	946438	2
860997	77	940227	37	943791	90	946439	2
861738	77	940229	37	943798	40, 78	946440	2
861741	77	940256	37	943979	107	949370	55A
861755	77	940257	37	943954	12	951948	10
861768	77	940259	37	944005	88	953066	107
862648	55A	940273	99	944052	77	953068	107
862652	55A	940274	99	944053	77	958204	88
862653	55A	940277	99	944054	55A	958206	88
862738	55A	940278	99	944112	37	958212	88
863045	88, 99	940279	99	944118	77	1113905	2
863046	88	940281	99	944119	77	1300452	61
863052	88, 99	940307	2	944205	114	1502845	95A, 95B
863053	88, 99	940350	114	944277	59	1502846	95A, 95B
864525	2	940413	114	944403	19	1503013	95A, 95B
865961	81	940415	114	944404	20	1503467	95A, 95B
865963	81	940477	114	944405	19	1503598	95, 95A, 95B
865965	81	940547	37	944462	89	1503629	80, 96, 96A, 96B
872560	2	940560	16	944466	89	1503631	80, 96, 96A, 96B
872712	53	940589	2	944467	89, 89A	1503639	80, 96, 96A, 96B
873250	77	940590	1	944469	89, 89A	1503986	96, 96A, 96B
874964	19	940611	88	944471	89, 89A	1508704	77
875012	18	940612	88	944497	102, 103	1508845	36
875379	53	940635	72, 73	944498	102, 103	1520467	95A, 95B
875766	56	940643	1, 2, 72, 73	944499	102, 103	1520835	95A, 95B
875767	56	941232	55A	944633	19	1520836	95A
876575	81	941234	55A	944643	89A	1520867	96A, 96B
882196	52	941235	55A	944645	89A	1520870	96A
882197	52	941236	55A	944646	89A	1530264	80, 96, 96A, 96B
882198	52	941237	55A	944649	19	1533615	45, 47, 83, 85, 87
882199	52	941238	55A	944650	19	1572355	102, 103
883734	89, 89A	941461	99	944652	19	2501106	80
886285	20	941462	99	944653	19	2501108	94, 95, 95A, 95B

(

(

(